

KERR-McGEE OIL INDUSTRIES, INC.

NAVAJO URANIUM DIVISION

POST OFFICE BOX 608

SHIPROCK, NEW MEXICO

Mr. Thomas Lynch
Realty Assistant
Branch of Realty
Navajo Agency
Window Rock, Arizona .



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS
NAVAJO SERVICE
WINDOW ROCK, ARIZONA

September 29, 1950

Date

MINING PERMIT--TRIBAL INDIAN LANDS
NAVAJO TRIBE, STATE OF Arizona

Pursuant to authority granted by the Navajo Tribal Council by Resolution No. CD-2-48, dated December 8, 1948, approved by the commissioner of Indian Affairs on March 25, 1949 (Land: Minerals 24504-48) PERMISSION is hereby granted to Dan Phillips, Census No. _____, a Navajo Indian of Dove Creek, Colorado, to prospect for, mine, and remove minerals from tribal lands of the Navajo Indian Reservation, in the County of Apache State of Arizona, and described as follows: Beginning at a point approx. 3 1/2 miles southerly from the Cove Day School running easterly approx. 1/4 mile, thence southerly one mile, thence westerly three fourths mile, thence northerly one half mile, thence easterly one half mile, thence northerly one half mile to point of beginning, containing 320 acres. This acreage adjoins on the south easterly side of north portion of Koley Black's lease #8667. for the full term of two years from date hereof, for the sole purpose of prospecting for and mining of minerals as follows:

Vanadium-Uranium, and/or other minerals.

the Permittee to occupy so much of the surface of said land as may be reasonably necessary to carry on the work of prospecting for, mining, milling, storing, and removing such minerals.

PROVIDED, however, that any Navajo who conducts development operations under a permit may at his option apply for a lease before the expiration of the two year period, or at the expiration of the two year period he may apply for an extension of his permit for an additional two year term, and the Advisory Committee may approve any such application if in its opinion the applicant has worked and is continuing to work in good faith in the development of the mining operation.

1. In consideration of the foregoing, the Permittee hereby agrees:

- (a) Royalty - To pay, or cause to be paid, to the General Superintendent, for deposit to the Navajo Tribal Fund, as royalties, the sums of money as follows, to wit:

Ten percent (10%) of the gross sale price of all minerals recovered and sold.

All royalties accruing for any month shall be due and payable on or before the 25th day of the month succeeding.

*Converted to
MP #150*

(b) **DILIGENCE, PREVENTION OF WASTE.** To exercise diligence in the conduct of prospecting and mining operations; to carry on development and operations in a workmanlike manner and to the fullest possible extent; to commit no waste on the said land and to suffer none to be committed upon the portion in his occupancy use; to comply with all the requirements of the laws of the State in which the land is located; to take appropriate steps for the preservation of the property and the health and safety of workmen; promptly to surrender and return the premises upon the termination of this permit to whomsoever shall be lawfully entitled thereto, in as good condition as received, excepting for the ordinary wear and tear and unavoidable accidents in their proper use; all buildings and improvements shall remain the property of the permittee and may be removed at any time prior to 60 days after the termination of the permit by forfeiture or otherwise, provided the payments agreed upon by this permit have been made and the permit terms and regulations applicable thereto have been fully complied with, but not otherwise; not to permit any nuisance to be maintained on the premises under permittee's control, nor allow any intoxicating liquors to be sold or given away for any purpose on such premises; and not to use such premises for any other purposes than those authorized in this permit.

(c) **DEVELOPMENT.** The land described herein shall not be held by the permittee for speculative purposes, but in good faith for mining the minerals specified; and the failure by the permittee in the diligent development and continued operation of the mine or mines, except when operations may be interrupted by strikes, the elements, or casualties not attributable to the permittee, shall be held as a want of compliance with the purposes of this permit and shall render it subject to revocation at the discretion of the General Superintendent: Provided, that whenever the General Superintendent shall consider the marketing facilities inadequate or the economic conditions unsatisfactory, he may authorize the suspension of operations for such time as he may deem advisable.

(d) **MONTHLY STATEMENTS.** To keep an accurate account of all mining operations, showing the sales, prices, dates, purchasers, and the whole amount of minerals mined, the amount removed, and the gross receipts derived therefrom, and to furnish the General Superintendent sworn monthly reports thereon not later than the 25th of the succeeding month; and all sums due as royalty shall be a lien on all implements, tools, removable machinery, and all other personal chattels used in operation upon said property, and upon all of the unsold minerals obtained from the land herein, as security for payment of said sums.

(e) **REGULATIONS.** To abide by and conform to any and all regulations of the Secretary of the Interior now or hereafter in force relative to such permits; Provided, that no regulations hereafter approved shall effect a change in rate of royalty, or the term of this permit, without written consent of the parties to this permit.

(f) **ASSIGNMENT OF PERMIT.** Not to assign this permit or any interest therein by an operating agreement or otherwise nor to sublet any portion of the leased premises.

2. INSPECTION. The permitted premises and producing operations, improvements, machinery and fixtures thereon and connected therewith shall be open at all times for inspection by the General Superintendent or his authorized representative.

3. SURRENDER AND TERMINATION. The permittee shall have the right at any time during the term hereof to surrender and terminate this permit or any part thereof upon the payment of all royalties due the Navajo Tribe, and any other obligations that may be due and payable to the Navajo Tribe, Provided, that the permittee has complied with all instructions regarding conservation and protection of the property.

4. CANCELLATION AND FORFEITURE. When, in the opinion of the General Superintendent, there has been a violation of any of the terms and conditions of this permit, the General Superintendent shall have the right at any time after 30 days notice to the permittee, specifying the terms and conditions violated, and after a hearing, if the permittee shall so request within 30 days of receipt of notice, to declare this permit null and void, and if any royalties or other obligations are due the Navajo Tribe, to take appropriate action to see that such obligations are fulfilled.

Approval Recommended

Date 9-29-50

Sam Ahkeah
Chairman
Navajo Tribal Council

Shealy Iso.
Vice-Chairman
Navajo Tribal Council

I hereby accept the foregoing permit and agree to abide by all its terms and conditions.

✓ Dan Phillips
Permittee

Approved: October 31, 1950
Date

Allean Emper
General Superintendent

**APPLICATION FOR AEC LICENSE TO
TRANSFER, DELIVER, EXPORT, OR RECEIVE
URANIUM OR THORIUM SOURCE MATERIAL**Pursuant to Code of Federal Regulations, Title 10—
Atomic Energy, Part 40—Control of Source MaterialTO: U. S. Atomic Energy Commission,
P. O. Box 30, Ansonia Station,
New York 23, N. Y.

2. PREVIOUS AEC LICENSE NUMBER, IF ANY.

None**INSTRUCTIONS**

File two (2) copies of this application with the U. S. Atomic Energy Commission, P. O. Box 30, Ansonia Station, New York 23, N. Y. This application may be used for an original license or for the renewal of a license. In the case of a renewal, this application should be received by the Commission on or before 30 days before the expiration of the previous license. Complete blocks 1, 2, 3, 9, and if you combine two or more of the activities of Producer, Processor, Distributor, Exporter, or Consumer, complete each of the applicable blocks numbered 4 through 8.

1. NAME
AND
ADDRESS
OF
APPLICANT
(Street,
city,
zone,
state)**Dan K. Phillips (Navajo Indian)
Kayenta, Arizona**

3. INVENTORY. INVENTORY OF SOURCE MATERIAL, RAW AND REFINED, AS OF

None

(Specify date of last inventory)

INSTRUCTION.—Include all source material in your possession or under your control, regardless of location. Include any source material you have possession of but which is owned by others, whether or not they are licensees of the Commission. Please specify that part of your inventory which is owned by other persons, listing the names, addresses, and quantities owned by each. Do not include in this inventory any raw source material not yet removed from its place of deposit in nature.

(a) Raw Source Material

| DESCRIPTION OF MATERIAL | ESTIMATED PERCENT URANIUM OR THORIUM | QUANTITY IN INVENTORY (Gross tons) | NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE |
|-------------------------|---|--|---|
| None | None | None | Navajo Tribe |
| | | | |
| | | | |
| | | | |

(b) Refined Source Material

| DESCRIPTION OF MATERIAL | GRADE (Comm., CP, USP, etc.) | PERCENT OF URANIUM OR THORIUM | QUANTITY (Lb.) | NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE |
|-------------------------|------------------------------------|-------------------------------------|-------------------|---|
| None | | | | |
| | | | | |
| | | | | |
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IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO TRANSFER AND
THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN THIS BLOCK AS WELL

[illegible]

| | |
|--|--|
| | |
|--|--|

IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO CHEMICALLY PROCESS SOURCE MATERIAL, CHECK THIS BOX AND SUPPLY THE INFORMATION
 BLOCK, AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

(a) THE APPLICANT CHEMICALLY PROCESSES SOURCE MATERIAL IN PLANTS LOCATED AT: (These plants include all of the plants in which the applicant will process source material under the terms of any license issued by the Commission.)

1.

2.

3.

4.

(b) IN THE EVENT RESIDUES AND TAILINGS ARE TO BE DISCARDED PLEASE DESCRIBE THESE RESIDUES AND TAILINGS, THE FREQUENCY OF DISCARDS, THE PROBABLE SOURCE MATERIAL CONTENT AND THE REASONS FOR NOT CONSERVING THE MATERIAL:

1

☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO RECEIVE SOURCE MATERIAL FOR RESALE ONLY, WITHOUT ANY INTERMEDIATE PROCESSING, COMPLETE BLOCKS 1, 2, 3, AND 9.

□

CONSUMERS. ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO USE SOURCE MATERIAL IN CHEMICAL ANALYSIS OR IN THE MANUFACTURE OF, OR FOR INCORPORATION IN, ANY PRODUCT, CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN THIS BLOCK AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

| DESCRIPTION OF SOURCE MATERIAL TO BE USED | ESTIMATED ANNUAL REQUIREMENTS (Lb.) | USES |
|---|--|---|
| | | INDICATE WHETHER (1) AS ANALYTICAL REAGENT, (2) FOR INCANDESCENT MAN- TLES, (3) MEDICINAL, OR (4) OTHER. IN THE CASE OF OTHER USES, DESCRIBE THE PRODUCT, THE SOURCE MATERIAL CONTENT, AND THE MANNER IN WHICH THE PRODUCT WILL BE USED. |
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8. **EXPORTERS.** ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO EXPORT SOURCE MATERIAL, CHECK THIS BOX AND SUPPLY THE BALANCE OF THE INFORMATION REQUESTED IN THIS BLOCK AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9. (Note that approval on Form AEC-7 is required for each individual export transaction.)

Name and address of each of your agents who for your account will prepare Department of Commerce "Shipper's Export Declaration" (Form 7525-V), will request permission to export on Form AEC-7, and will ship source material.

[illegible]

9. CERTIFICATION AND AGREEMENT. APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION AND AGREEMENT ON BEHALF OF THE APPLICANT (1) CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH THE CODE OF FEDERAL REGULATIONS, TITLE 11—ATOMIC ENERGY, PART 111—CONTROL OF SOURCE MATERIAL; (2) CERTIFY THAT ALL INFORMATION CONTAINED IN THIS APPLICATION IS TRUE AND COMPLETE TO THE BEST OF THEIR KNOWLEDGE AND BELIEF; AND (3) AGREE THAT IN THE EVENT THAT THIS APPLICATION IS APPROVED BY THE ATOMIC ENERGY COMMISSION, AND A LICENSE IS ISSUED, THAT THE DULY AUTHORIZED REPRESENTATIVES OF THE COMMISSION MAY FREELY INSPECT AT ALL REASONABLE TIMES FACILITIES AND RECORDS, TAKE SAMPLES FOR ASSAY, AND DO SUCH OTHER THINGS AS WILL, IN THE OPINION OF THE COMMISSION, ASSURE THAT ALL SOURCE MATERIAL HANDLED BY THE APPLICANT UNDER THE AUTHORITY OF HIS LICENSE, IS PROPERLY ACCOUNTED FOR AND USED.

BY *Dan K. Phillips*
Dan K. Phillips (Signature of applicant)
Permitter (Title)

August 8, 1949

(Date)

(Title)

Section 35 (A) of the United States Criminal Code, 18 U. S. C. Sec. 80, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(FOR GOVERNMENT USE ONLY)

UNITED STATES OF AMERICA
 ATOMIC ENERGY COMMISSION
 SOURCE MATERIAL LICENSE

LICENSE NO. _____

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in *San Juan* County, State of *Utah* *District #8 Navajo Rev.*

and described and marked on the ground as follows, to wit:

*Beginning at A Monument Running 750 ft Southerly
thence Westerly 600 ft. thence Northerly 150 ft
thence Easterly 600 ft. thence Southerly 750 ft
to the Point of Beginning*

*this Mining Claim is in the West foot of Copper Canyon
one mile south of State Line*
This Mining Claim shall be known as the *Holey #1*.....

Mining Claim.

Located this *21*..... day of *April*.. A. D. 194*9*...

NAMES OF LOCATORS

Dan K. Phillips

Harley Black

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Resources
Realty

Navajo Agency
Window Rock, Arizona

April 21, 1961

Kerr-McGee Oil Industries, Inc.
Kerr-McGee Building
Oklahoma City 2, Oklahoma

Attention: George R. Cochran

Gentlemen:

Pursuant to your letter of April 18, 1961, in connection with your Mining Permits 50, 45 and 44, there are, enclosed, copies of Advisory Committee Resolutions Nos. ACS-80-51, ACF-4-52, ACM-5-52, ACS-47-52 and Tribal Council Resolution No. CM-C-51. The latter resolution is furnished in a thermofax copy.

Also enclosed are Advisory Committee Resolution No. ACS-75-56, dated September 10, 1956, which repealed Resolution No. ACS-47-52 and ACJN-73-60, modifying the royalty rates for low-grade uranium and other minerals associated therewith.

Sincerely yours,

(S) M. D. LONG
M. D. Long
Agency Realty Officer

Enclosures

TLynch:cm 4-21p61

Realty - 50, 45 & 44 (150)
Chrono
M&F

Resources
Realty

Navajo Agency
Window Rock, Arizona

JAN 19 1961

File Copy
Surname

Mark (C) G.
Gallaway
Font - Acker

Mrs. Pearl Phillips, Administratrix
The Estate of Dan Phillips
c/o P. O. Box 608
Shiprock, New Mexico

Dear Mr. Phillips:

Pursuant to your request of December 23, 1960, you are hereby
advised that Navajo Tribal Mining Permit No. 150 of the
Estate of Dan Phillips is renewed for an additional two-year
term from January 24, 1961.

Sincerely yours,

/s/ SCOTT PRESTON

ACTING Chairman, Navajo Tribal Council

(Sgd.) Glenn R. Landbloom

General Superintendent

cc: Kerr-McGee Oil Industries, Inc.
P. O. Box 608
Shiprock, New Mexico

U. S. Geological Survey
P. O. Box 829
Carlsbad, New Mexico

Tribal Mining Department

TLynch:cm 1-10-61

Realty
Chrono
M&F

NA-5-387

NAVAJO AGENCY
Route Sheet

Subject Renewal of Mining Permit No. 150
Estate of Dan Phillips

Attachments

| Route to | Released | |
|---------------------------|----------|---------|
| | Initial | Date |
| 1. Agency Realty Officer | KAC | 1/10 |
| 2. Tribal Mining Dept. | BVC | 1-17 |
| 3. Chairman, N. T. C. | S.P. | 1/18/61 |
| Ass't. Gen'l. Supt. | | |
| 4. (Resources) | MD | 1-19 |
| 5. General Superintendent | JRZ | 1-19 |
| 5. Agency Realty Office | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

COMMENTS



Originator's instructions for final disposition

3 & 5 Signature _____ See me _____ Prepare reply for your signature _____
 _____ Comment & return _____ Information _____ Follow-up action or _____
 1, 2, 4 Review _____ Prepare reply for _____
 _____ Concurrence & Surname _____ Prepare reply for my signature _____

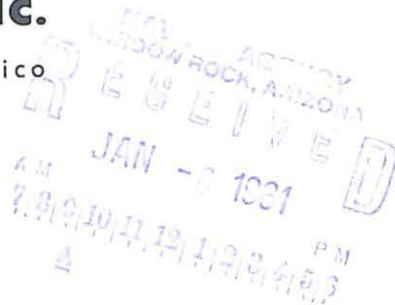
Originator Lynch, Realty - NAVAJO Phone 2-2793, 2-3071 Date January 10, 1961
 AGENCY 2-3941, 2-3951

m 92

KERR-McGEE OIL INDUSTRIES, INC.

Post Office Box 608 • Shiprock, New Mexico

January 3, 1961



Mr. Thomas Lynch
Realty Assistant
Branch of Realty
Navajo Agency
Window Rock, Arizona

Dear Tommy:

Enclosed are (1) four copies of the written request for renewal requested by Mrs. Pearl Phillips, Administratrix of Dan Phillips Estate Mining Permit No. 150; and (2) four copies of the development expenditure by Kerr-McGee Oil Industries, Inc., Assignee covering Mining Permit No. 150.

We will appreciate your handling of this renewal at the next advisory committee meeting. Ore is now being produced from this property.

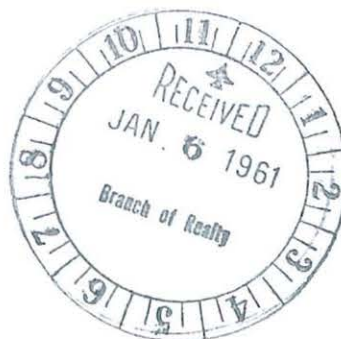
Kerr-McGee Oil Ind. Inc.
Navajo Uranium Division

Jack Landon
Jack Landon
Mine Supt.

JL/hc

ENC.

cc: V. L. Mattson
C. L. Wise
Marvin Lacy
B. E. McPherson



Advisory Committee

Navajo Tribal Council

Window Rock, Arizona

I, the undersigned, Pearl Phillips, Administratrix of Dan Phillips Estate Mining Permit No. 150, want to apply for an additional two year extension of this permit which expires January 24, 1961.

Mining Permit No. 150 is assigned to Kerr-McGee Oil Industries, Inc.

12-23-60
Date

Pearl Phillips
Pearl Phillips, Administratrix
of Dan Phillips Estate

Advisory Committee

Navajo Tribal Council

Window Rock, Arizona

I, the undersigned, Pearl Phillips, Administratrix of Dan Phillips Estate Mining Permit No. 150, want to apply for an additional two year extension of this permit which expires January 24, 1961.

Mining Permit No. 150 is assigned to Kerr-McGee Oil Industries, Inc.

12-23-60
Date

Pearl Phillips
Pearl Phillips, Administratrix
of Dan Phillips Estate



Advisory Committee

Navajo Tribal Council

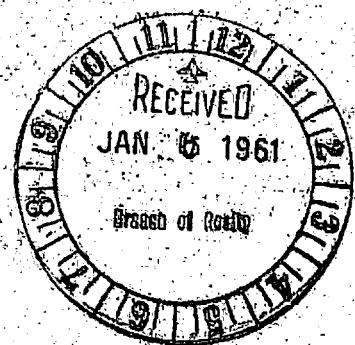
Window Rock, Arizona

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12-23-60
Date

Pearl Phillips
Pearl Phillips, Administratrix
of Dan Phillips Estate



Advisory Committee

Navajo Tribal Council

Window Rock, Arizona

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Mining Permit No. 150 is assigned to Kerr-McGee Oil Industries, Inc.

12-23-60

Date

Pearl Phillips
Pearl Phillips, Administratrix
of Dan Phillips Estate



DEVELOPMENT EXPENDITURES
ON
DAN PHILLIPS ESTATE MINING PERMIT # 150

BY

Kerr-McGee Oil Industries, Inc. - Navajo Uranium
Division, Assignee

January 24, 1959 to January 23, 1961

Surface

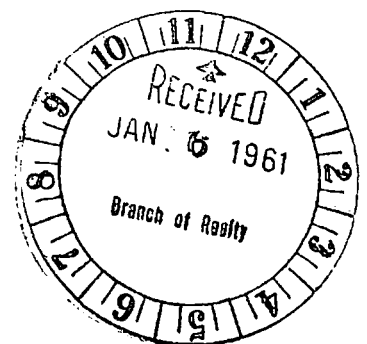
| | | |
|----------|--------------------------|------------|
| Drilling | 39 Holes - 9,797 Feet | \$9,797.00 |
| Roads | 2000 Feet @ \$3,000/Mile | \$ 760.00 |

Underground

| | | |
|------------------|--------------------|-------------|
| Ore Level Drifts | 930' @ \$10.00/Ft. | \$9,300.00 |
| Haulage Drifts | 170' @ \$15.00/Ft. | \$2,550.00 |
| Raises | 35' @ \$20.00/Ft. | \$ 700.00 |
| | | <hr/> |
| | | \$23,107.00 |

Kerr-McGee Oil Industries, Inc.
Navajo Uranium Division

Jack Landon
Jack Landon
Mine Supt.



DEVELOPMENT EXPENDITURES
ON
DAN PHILLIPS ESTATE MINING PERMIT # 150

BY

Kerr-McGee Oil Industries, Inc. - Navajo Uranium
Division, Assignee

January 24, 1959 to January 23, 1961

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| | | <u>\$23,107.00</u> |

Kerr-McGee Oil Industries, Inc.
Navajo Uranium Division

Jack Landon
Jack Landon
Mine Supt.



DEVELOPMENT EXPENDITURES
ON
DAN PHILLIPS ESTATE MINING PERMIT # 150

BY

Kerr-McGee Oil Industries, Inc. - Navajo Uranium
Division, Assignee

January 24, 1959 to January 23, 1961

Surface

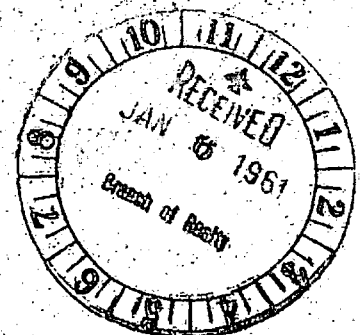
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|----------|-------------------------|------------|
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| Raises | 35' @ \$20.00/Ft. | \$ 700.00 |
| | | <u>\$23,107.00</u> |

Kerr-McGee Oil Industries, Inc.
Navajo Uranium Division

Jack Landon
Jack Landon
Mine Supt.



DEVELOPMENT EXPENDITURES
ON
DAN PHILLIPS ESTATE MINING PERMIT # 150
BY

Kerr-McGee Oil Industries, Inc. - Navajo Uranium
Division, Assignee

January 24, 1959 to January 23, 1961

Surface

| | | |
|----------|-------------------------|------------|
| Drilling | 39 Holes + 9,797 Feet | \$9,797.00 |
| Roads | 2000 Feet @ \$3.00/Mile | \$ 760.00 |

Underground

| | | |
|------------------|--------------------|-------------|
| Orn Level Drifts | 930' @ \$10.00/Ft. | \$9,300.00 |
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| | | <hr/> |
| | | \$23,107.00 |

Kerr-McGee Oil Industries, Inc.
Navajo Uranium Division

Jack London
Jack London
Mine Supt.



Resources
Realty

Navajo Agency
Window Rock, Arizona

December 30, 1960

Mrs. Pearl Phillips
Administratrix of Dan Phillips Estate
c/o P. O. Box 608
Shiprock, New Mexico

Dear Mrs. Phillips:

Navajo Tribal Mining Permit No. 150 will expire January 24, 1961.

If you want the permit renewed you must file written request for renewal with the Navajo Agency Branch of Realty before it expires.

Request for renewal of your mining permit must be accompanied by a sworn statement showing amounts spent in development and explorative work as required by the terms of the permit. If the permit is assigned, such report must be furnished by the assignee.

Sincerely yours,

(s) Thomas Lynch

Thomas Lynch
Realty Assistant

cc: Kerr-McGee Oil Industries, Inc.
P. O. Box 608
Shiprock, New Mexico

TLynch:cm 12-30-60

Realty
Chrono
M&F

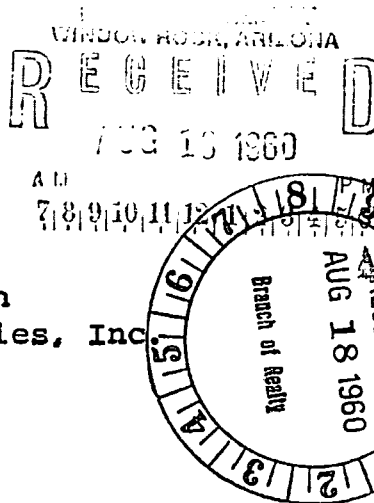
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Health and Safety Activity

DISTRICT H

Building 20
Federal Center
Denver 25, Colorado

August 15, 1960
File #437.2

Mr. Jack Landon
Mine Superintendent
Navajo Uranium Division
Kerr-McGee Oil Industries, Inc.
P. O. Box 608
Shiprock, New Mexico



MP 150
8/18/60

Dear Mr. Landon:

The enclosed copies of a health and safety report on the Mesa 2, P150 mine, Cove, Apache County, Arizona, contain information as found in an inspection by R. C. Bates on July 28, 1960. The extra copies are for distribution within your organization.

Some suggested changes are offered with intent to improve the conditions affecting the health and safety of the employees.

We will appreciate receiving your comments regarding the inspection.

Very truly yours,

J. Howard Bird
District Supervisor

Enclosures (3)

cc: James Westfield, Washington, D. C.

E. A. Morgan, Phoenix, Arizona

Commissioner of Indian Affairs, Washington, D. C.

Area Director, Bureau of Indian Affairs, Gallup, N. Mex.

✓ Superintendent, Navajo Service, Window Rock, Arizona

Paul Jones, Chairman, Navajo Tribal Council, Window Rock

C. V. Collins, Tribal Mining Engineer, Box 146, Window Rock

A.E.C., Division of Raw Materials, Washington, D. C.

A.E.C., Production and Evaluation Div., Grand Junction, Colo.

U. S. Public Health Service, Salt Lake City, Utah

C. G. Fitzpatrick, U. S. Department of Labor, Denver, Colo.

Roy V. Hersey, State Inspector of Mines, Phoenix, Arizona

R. S. Fulton, P. O. Box 829, Carlsbad, New Mexico

J. D. Turner, USGS, Washington, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Health and Safety Activity

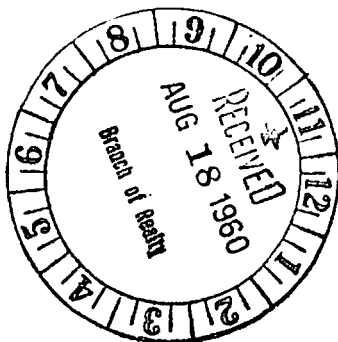
District H

HEALTH AND SAFETY INSPECTION REPORT
MESA 2, P150 MINE
NAVAJO URANIUM DIVISION OF KERR-McGEE OIL INDUSTRIES, INCORPORATED
NAVAJO INDIAN RESERVATION
COVE, APACHE COUNTY, ARIZONA

July 28, 1960

By

R. C. Bates
Mining Health and Safety Engineer



Originating Office - Bureau of Mines
Building 20, Federal Center, Denver 25, Colorado
J. Howard Bird, District Supervisor
Health and Safety, District H

HEALTH AND SAFETY INSPECTION REPORT
MESA 2, P150 MINE
NAVAJO URANIUM DIVISION OF KERR-McGEE OIL INDUSTRIES, INCORPORATED
NAVAJO INDIAN RESERVATION
COVE, APACHE COUNTY, ARIZONA

July 28, 1960

By

R. C. Bates
Mining Health and Safety Engineer

INTRODUCTION

This report is based on a health and safety inspection made in compliance with Order No. 1940, April 4, 1944, by the Secretary of the Interior, which provides for such inspections on Government-leased lands on the Public Domain and on Indian Lands by the Bureau of Mines.

The purpose of the inspection and the report is to call to the attention of all concerned the hazards observed at the mine and to recommend means of correcting these hazards.

GENERAL INFORMATION

The Mesa 2, P150 mine is about 7 miles south of Cove, Apache County, Arizona. It is an intermittent operation, about 2 years old, and was never found operating when previous inspections were made of the surrounding mines. Walter E. Kingery, contractor, operated the mine for the Navajo Uranium Division, Kerr-McGee Oil Industries, Incorporated, Box 608, Shiprock, New Mexico.

Two adits, 70 feet apart and connected underground, opened the mine. They were in the upper ore horizon of the Salt Wash member of the Morrison formation. Development work only was in progress during this inspection, and the maximum advance from the portal was about 250 feet. There were worked-out stopes off the adits.

The two men at the mine worked underground one shift a day, 5 and 6 days a week on alternate weeks.

SURFACE

The surface plant consisted of a waste dump, a 125 c.f.m.-capacity gasoline-powered compressor, and a front-end loader. A stop was on the track at the dump point. The compressor had safety valves on the intercoolers and drain valves on the intercoolers and receiver. The exhaust pipe had a 3½-foot extension to prevent the compression of exhaust gases. A 55-gallon barrel, containing gasoline, and the compressor were about 10 feet lower than the portals and more than 50 feet from them.

The mine is on the steep side of the mesa near the Mesa 2, No. 1, 2, and 3 mines.

EXPLOSIVES STORAGE

About 75 pounds of dynamite was stored in a locked, dry wooden box that was about 50 feet from the portal of the inactive adit and 80 feet from the haulageway. This storage area was not posted with "Danger Explosives" signs. Maximum dynamite storage was reported to be 150 to 200 pounds. The back over the box appeared to be well timbered.

Two hundred fifty No. 6 blasting caps were stored in an unposted, locked, dry box that was 20 feet from the portal of the inactive adit, and 30 feet from the dynamite storage. Fuse was cut to 7-foot lengths and capped on a wooden bench near the cap storage.

The burning speed of each lot of fuse was checked and posted at the Mesa 2 mine, and the men were aware of the burning speed.

GROUND CONTROL

Ore in the old parts of the mine was mined by a modified room-and-pillar method. Some of the old stopes were caving; they were not roped off and posted.

The back in the haulageway and the development heading was a damp, friable sandstone that stood without artificial support in part of the drift. Some loose back in the development heading was pointed out to the men.

A scaling bar was available.

The drifts and crosscuts were 4 by 6 feet to 8 by 6 feet in cross section.

DRILLING AND BLASTING

A jackleg drill and a 5½-foot drill steel were used for all drilling underground. Water was used to allay the dust produced in collaring and drilling. Footing for the driller and the feedleg was good.

The usual round consisted of about 12 holes. Wooden tamping sticks were used. Hot Wire Lighters were used to ignite the fuses; both men were present when the fuses were ignited.

Neither undetonated explosives nor misfires were seen in the working places.

LOADING AND HAULAGE

The broken rock was loaded into the 3/4-ton capacity mine cars which were then pushed out of the mine by hand. The front-endloader then moved the broken rock from the dump point to the edge of the cliff.

One man observed breaking large rocks using a sledge hammer. was not wearing safety glasses.

VENTILATION

Natural draft pressures induced the flow of air through the mine. At the time of the inspection 800 cubic feet a minute (c.f.m.) of air passed through the crosscut 20 feet from the drift heading. In uranium mines a natural draft induced airflow cannot be relied on to properly ventilate the working places and remove the radon and other undesirable gases.

The wet-bulb and dry-bulb temperatures underground were 50° F and 53° F respectively, indicating that the mine atmosphere had a relative humidity of 83 percent. The barometric pressure underground was 23.03 inches of mercury during the inspection.

DUST

A sample for determination of airborne dust concentration was collected with a midget impinger apparatus using

alcohol as the collecting medium. It was counted by a light field technique, at 1,000 magnification, using a midget microprojector. The sample concentration and other pertinent information are listed in Table 1.

Table 1

| Location | Number of Men | Concentration in |
|---------------|--|--|
| | Operation, Time | Millions of Parti- cles per cu. ft. of Air |
| Drift heading | 2 men, hand loading broken rock, 10:14 a.m. | 3.3 |

The average free silica content of settled dust samples collected from adjoining mines in the same ore horizon is 75 percent.

The maximum concentration recommended by the American Conference of Governmental Industrial Hygienists for airborne dusts containing more than 50 percent free silica as alpha quartz is 5 million particles in a cubic foot of air. The above sample indicates that there was no dust hazard in the mine during the inspection.

RADIATION

Gamma-radiation dose rates, and radon and radon-daughter concentrations were measured in the mine.

Gamma-radiation dose rates in the working places were measured with a Geiger counter calibrated with a known radium source. The National Bureau of Standards Handbook 59 lists the maximum permissible dose average for whole-body gamma radiation as 5 roentgens a year. In order to exceed this during a 44-hour week, the average gamma-radiation dose rate would have to exceed 2.2 milliroentgens an hour. The maximum dose rate measured was 0.01 milliroentgen an hour.

The airborne concentration of radon-daughter products, formed by the radioactive decay of radon, is reported as a multiple of a working level (W.L.). One working level is considered to be the concentration to which a man can be repeatedly exposed, 8 hours a day, without suffering discernible respiratory damage; it is defined as 1.3×10^5 million electron

volts of potential alpha energy per liter of air. Because radon daughters are particulate they readily attach to dust or other solids. The sampling method described in Public Health Service Publication No. 494, consists of filtering the daughters from a known volume of air and then measuring their alpha activity with an alpha counter.

Excessive concentrations of radon daughters indicate a need for more ventilation and/or control of the radon entering the air which ventilates the working places. Control of radon can frequently be effected by sealing off abandoned stopes through or by which intake air is coursed.

The main method of reducing radon-daughter levels is to increase the flow of air to the working places. The amount of air required to correct a specific level can be calculated if the flow of air to the working place at the time the level was measured is known. An empirical equation calculating this required volume is

$$V_2 = V_1 (W.L.)^{0.56},$$

where V_2 is the volume of air, c.f.m., required to reduce the working level to one,

W.L. is the measured multiple of the working level, and

V_1 is the volume of air, c.f.m., circulating through the working place at the time of sampling.

The required volume V_2 can also be calculated using the graphs in the Public Health Service Publication No. 494, pages 70-73. With this method, both the radon and the radon-daughter concentrations must be determined. Both methods assume the air entering the place is uncontaminated. If the air is contaminated, the V_2 necessary to reduce the radon-daughter concentration to one working level would be higher.

The results of the sampling, the calculated V_2 's, and other pertinent data are listed in Table 2.

Table 2

| (a) | (b) | (c) | (d) | (e) | (f) | (g) |
|---------------|---------------------------------|-----|------|-----|-----|-------|
| Drift heading | 10:03 a.m., 2 men, hand-loading | 6.5 | 1500 | 54 | 800 | 2,300 |
| Drift heading | 10:14 a.m., 2 men, hand-loading | 4.5 | -- | -- | 800 | 1,900 |

-
- (a) Location
 (b) Time, Number of Men, Operation
 (c) Radon-Daughter Concentration Times W.L.*
 (d) Radon Concentration in μuc per liter
 (e) Percent Equilibrium
 (f) V_1 , c.f.m.
 (g) V_2 , c.f.m.

* An arithmetical average of these samples cannot be used to determine an average exposure for the men,

μuc - One micro-microcurie is equivalent to 2.22 disintegrations a minute which is a function of the number of atoms times the decay constant. The sample value is used in calculating the ventilation requirements to reduce the radon-daughter concentrations to one working level.

The high radon-daughter concentrations indicate that immediate steps are necessary to reduce the concentrations to one working level or less. The calculated V_2 's, column g, indicate that about 2000 c.f.m. of air, coursed through the mine as during the inspection, would be necessary to reduce the radon-daughter concentration to one working level at the face.

QUALITY OF AIR

Table 3 lists the results of analyses of mine atmosphere samples that were collected during the inspection. They were analyzed in the Bureau of Mines laboratory, Federal Center, Denver, Colorado.

Table 3

| Sample No. | Location, Time | Percent | | | | | PPM |
|------------|-------------------------|-----------------|----------------|-------|-----------------|----------------|------------------|
| | | CO ₂ | O ₂ | CO | CH ₄ | N ₂ | *NO ₂ |
| V-9363 | Drift heading, 10:05 am | 0.21 | 20.77 | 0.003 | 0.00 | 79.02 | -- |
| V-9299 | Drift heading, 10:06 am | -- | --- | --- | -- | -- | 10 |

*Combined oxides of nitrogen calculated as chemically equivalent NO₂ in parts per million.

Air for ventilation is considered to be of good quality when it contains at least 20 percent oxygen (O_2), not more than 0.5 percent of carbon dioxide (CO_2), and no harmful quantities of dust or noxious gases. The threshold limits for carbon monoxide (CO) and oxides of nitrogen (analyzed as NO_2) are 0.01 percent and 25 parts per million, respectively.

Analyses of the samples indicate that the mine atmosphere was of good quality with respect to those gases listed in the table.

GENERAL SAFETY

The men wore hard hats and safety-toed boots underground.

Both men received formal first-aid training about 2 years ago. They attend the weekly, company safety meetings, at which both safety practices and first-aid methods are discussed. First-aid supplies and equipment were available at the Mesa 2 mine which is about 700 feet from this mine.

Electric cap lamps were used for underground illumination.

RECOMMENDATIONS

Explosives Storage

1. The dynamite storage area should be posted with "Danger Explosives" signs.
2. The blasting cap storage box should be posted with a suitable warning sign.

Ground Control

1. Dangerous or abandoned parts of the mine should be roped off and "Keep Out" signs, or the equivalent, posted.
2. Loose rock should be taken down or supported before men work under or near it.

Loading and Haulage

Safety glasses should be used at all times by men performing work where there is danger of flying particles injuring the eyes.

Radiation

The radon-daughter concentrations in the working places should be reduced to or below one working level.

ACKNOWLEDGMENT

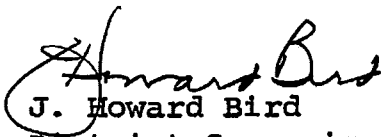
The cooperation of the officials and contractors during this inspection is gratefully acknowledged.

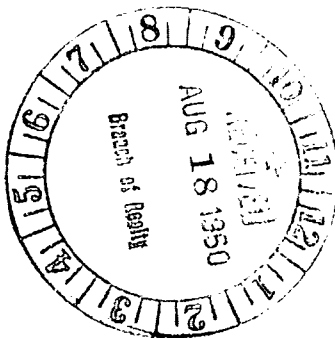
Respectfully submitted,

/s/ R. C. Bates

R. C. Bates
Mining Health and Safety Engineer

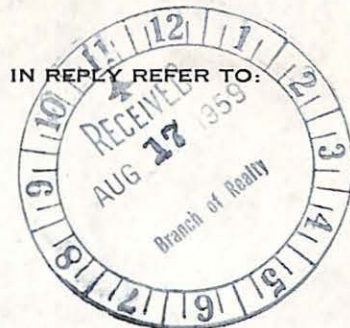
Approved:


J. Howard Bird
District Supervisor





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 829
Carlsbad, New Mexico
August 14, 1959



NAVAJO AGENCY
WINDOW ROCK, ARIZONA
RECEIVED
AUG 17 1959 PM
7:18/9/10/11/12/1/2/3/4/5/6

MINE INSPECTION REPORT
MESA 2 - KINGERY CONTRACT
KERR-McGEE OIL INDUSTRIES INC.
NAVAJO RESERVATION
APACHE COUNTY, ARIZONA

DAN PHILLIPS
URANIUM
PERMIT No. 150

by
Howard B. Nickelson
Mining Engineer

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION - MINING BRANCH

On July 14, 1959, accompanied by Mr. Veron Welldon, mine superintendent, I examined the Kingery contract. This permit was issued to Dan Phillips and assigned to the Navajo Uranium Division of Kerr-McGee Oil Industries, Inc. who has contracted the mining to Walter and Bill Kingery. This mine is about 600 feet due east of the Mesa 2, No. 1 mine. The mine was previously worked and abandoned but additional drilling beyond the old workings indicated another small ore body.

The contract miners drove about 120 feet of drift and intersected this ore. Stopping by room and pillar methods are now in progress. The mine is ventilated by natural means with the aid of two drill holes that were opened to create a circulation. Ventilation appeared adequate. The ore is hauled to the surface by wheelbarrows and stockpiled. The stockpile is picked up by a small farm tractor end loader and loaded into trucks. A bad brow with loose rocks were observed in the old mine over the main walk way. Mr. Kingery was asked to bar the loose rocks down and to stull the brow to protect the miners. The powder and caps were stored in separate locked containers. A 24 hour supply of powder is brought up from the companies magazine as needed. Two Indians are employed.

Production for fiscal year 1959 amounted to 524 tons averaging 0.28% U_3O_8 and 1.22% V_2O_5 valued at \$13,825.44 which paid \$1,631.52 royalty to the Navajo Tribe.

No violation of the lease terms were observed during the inspection other than those noted above.

Howard B. Nickelson

Howard B. Nickelson
Mining Engineer

Orig. to: Supt., Navajo Agency ✓
cc: Comm., Office of Indian Affairs
: Navajo Tribal Mining Engineer
: Chief, Mining Branch
: Bureau of Mines, Denver
: Files

Realty
Minerals

Navajo Agency
Window Rock, Arizona

File Copy
Surname

JAN 27 1959

Lyndell
Long
James S. Long

Pearl Phillips, Administratrix
of Dan Phillips Estate
c/o P. O. Box 608
Shiprock, New Mexico

Dear Mrs. Phillips:

Pursuant to your request of January 16, 1958, for a
two-year extension of Mining Permit No. 150, you are hereby
advised that Mining Permit No. 150 is renewed for an additional
two-year term from January 24, 1959.

Sincerely yours,

/s/ SCOTT PRESTON

ACTING Chairman, Navajo Tribal Council

(Sgd.) K. W. Dixon

ACTING General Superintendent

cc: Kerr-McGee Oil Industries, Inc.
P. O. Box 608
Shiprock, New Mexico

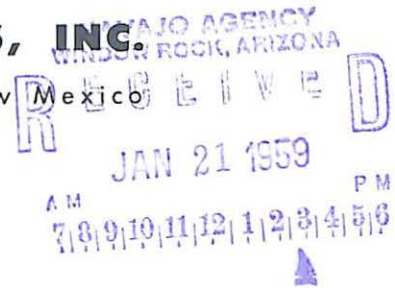
U.S.G.S., Carlsbad, N.M.

TLynch:ges 1/22/59
file - MP 150, Dan Phillips
chrono
m&f

KERR-McGEE OIL INDUSTRIES, INC.

Post Office Box 608 • Shiprock, New Mexico

January 19, 1959



Mr. Marvin Long, Chief
Branch of Realty
Bureau of Indian Affairs
Window Rock, Arizona

Dear Mr. Long:

Enclosed are four copies of application for two year extension of Dan Phillips Estate Mining Permit No. 150 and statement of development performed by Kerr-McGee Oil Industries, Inc., assignee.

We will appreciate your placing of this matter on the agenda of the Advisory Committee at their next meeting.

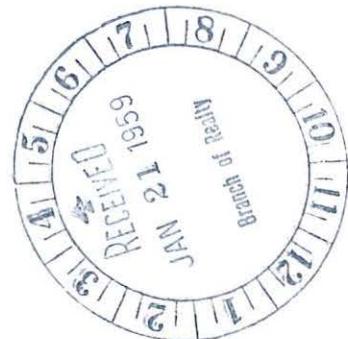
Yours very truly,

KERR-McGEE OIL INDUSTRIES, INC.
Navajo Uranium Division

Jack Landon

Jack Landon
Mine Superintendent

JL:la



APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, Administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc., and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit in 1954, 1955, 1956 and 1957. Drilling has encountered a new ore body which is now being developed by mining.

Executed and witnessed this 16 day of January, 1959.

Witness:

Laverna Akert

X Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, Administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc., and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit in 1954, 1955, 1956 and 1957. Drilling has encountered a new ore body which is now being developed by mining.

Executed and witnessed this 16 day of January, 1957.

Witness:

Laverna Akkiah Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, Administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the said Permit for an additional two years. In support of this application, the applicant states:

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Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit in 1954, 1955, 1956 and 1957. Drilling has encountered a new ore body which is now being developed by mining.

Executed and witnessed this 16 day of January, 1957.

Witness:

La Kerna Robert x Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

KERR-McGEE OIL INDUSTRIES, INC.

Navajo Uranium Division

January 19, 1959

Statement of Development Performed on Mining Permit No. 150, by the Assignee,
Kerr-McGee Oil Industries, Inc., From January 1958, to Date:

| | | | |
|-----------------------------|--------------------|---|------------------------|
| Surface Drilling (Non-Core) | 13,181 @ \$1.00/ft | = | \$13,181 |
| Roads | 2,400 ft | = | <u>1,364</u> |
| Total | | | <u><u>\$14,545</u></u> |

KERR-MCGEE OIL INDUSTRIES, INC.

Navajo Uranium Division
January 19, 1959

Statement of Development Performed on Mining Permit No. 150, by the Assignee,
Kerr-McGee Oil Industries, Inc., From January 1958, to Date:

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|-----------------------------|--------------------|---|-----------------|
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| Total | | | <u>\$14,545</u> |

KERR-McGEE OIL INDUSTRIES, INC.

Navajo Uranium Division

January 19, 1959

Statement of Development Performed on Mining Permit No. 150, by the Assignee,
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| Total | | | <u>\$14,545</u> |

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF INDIAN AFFAIRS
Navajo Agency, Branch of Realty
Window Rock, Arizona

(R-1)

Jan. 6, 1959

~~Kerry McGee~~

~~P.O. Box 608~~

~~Shiprock, New Mexico~~

Dear Sir:

The advance rental in the amount of \$ 118.00, on your Assignment of Navajo Tribal Mining Permit No. 150, which expires 1-21-59 becomes due on 1-21-59. Please remit your check made payable to "Bureau of Indian Affairs", prior to the above due date.

If you are contemplating a release of the Assignment, please inform us prior to the due date of rental, otherwise it will become due and payable.

If we do not hear from you on or before due date, the Assignment will be referred to the proper authorities for appropriate action.

In the event your Assignment is cancelled after the due date of the rental, it may be necessary to call upon your surety for payment. Sureties will not be released until all obligations are paid.

Sincerely yours,

Realty Assistant
~~Chief, Branch of Realty~~

cc: Permit No. 150
Chrono

Lynd

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF INDIAN AFFAIRS
Navajo Agency, Branch of Realty
Window Rock, Arizona

Jan. 6, 1959

Dan Phillips Estate

C/O Kerr -McGee

P.O. Box 608, Shiprock, New Mexico

Dear Sir:

Your Navajo Tribal Mining Permit No. 150, will
expire 1-24-59.

If you want the permit renewed you must file written request for renewal with the Navajo Agency Branch of Realty before it expires.

Request for renewal of your mining permit must be accompanied by a sworn statement showing amounts spent in development and explorative work as required by the terms of the permit. If the permit is assigned, such report must be furnished by the Assignee.

Sincerely yours,

/S/ M. D. Long

Chief, Branch of Realty

CC-Realty
Chrono
M & F

NA-5-387

NAVAJO AGENCY
Route Sheet

| Subject | | | Attachments |
|-------------------------------------|------------|---------|---|
| Renewal of MP 150 for two-year term | | | Letter to Pearl Phillips, Administratrix of Dan Phillips Estate |
| Route to | Released | | Comments |
| | Initial | Date | |
| 1. Realty | <i>mda</i> | 1-22 | |
| 2. Tribal Mining Dept. | <i>KAG</i> | 1/26/59 | |
| 3. Chairman, NTC | <i>MD</i> | 1/26/59 | |
| 4. Resources | <i>KOD</i> | 1/27 | |
| 5. Gen. Superintendent | | | |
| 6. Realty | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

Originator's instructions for final disposition

Please return to Branch of Realty for mailing.

| | | |
|------------------------------------|--------------------------------------|--|
| <u>2, 5</u> Signature | _____ See me | _____ Prepare reply for your signature |
| _____ Comment & return | _____ Information | _____ Follow-up action or |
| _____ Review | _____ Prepare reply for _____ | |
| <u>1,2,4</u> Concurrence & surname | _____ Prepare reply for my signature | _____ |

Originator T. Lynch Phone WR 23071 Date 1/22/59





UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

P. O. Box 829
Carlsbad, New Mexico
December 9, 1957

IN REPLY REFER TO:

RECEIVED
DEC 11 1957

A M

7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12

P M

MINE INSPECTION REPORT
MESA #2, MINE #1
NAVAJO RESERVATION
APACHE COUNTY, ARIZONA

DAN PHILLIPS
PERMIT #21
PERMIT #150

by
James W. Hager
Mining Engineer

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION - MINING BRANCH



On November 20, 1957, Mesa 2 Mines #1 and #2 on permits #21 and #150 issued to David and Dan Phillips were examined. The permits were assigned to the Navajo Uranium Division of Kerr-McGee Oil Industries, Inc. The permits are located in Apache County, Arizona in the Lukachukai mountains about 4 miles south of Cove. Mr. Vernon Welldon was superintendent.

Mine #1 was developed through a main haulage adit about 1,000 feet long in barren sandstone driven about 30 feet below the lowest ore horizon. Transfer drifts were driven to the left and right of the haulage level and raises had been driven through the two ore horizons from the ends of the drifts. The ore bodies occur in the Salt Wash formation and vary in thickness of from several inches to 15 feet. About 30 feet separate the two principle horizons.

Mining was by breast stoping leaving occasional pillars for roof support. The back, a hard sandstone, stood well. The ore was hand loaded into wheelbarrows and trammed to the raises. On the haulage level a battery locomotive was used to haul the ore from the transfer raises to the surface.

Ventilation on date of examination was adequate. A gasoline powered fan located in the portal of the adit above the haulage level operated exhausting. Small compressed air operated fans forced air through 10 inch flexible tubing in to working places.

A total of 17 men, 16 Navajo Indians and one white shift boss, were employed each of two shifts. About 3,000 tons of uranium bearing ore was produced monthly.

Mine #2 located about 150 feet north of Mine #1 was under development on date of examination. A haulage adit was being driven about 30 feet below the lowest ore horizon. Raises from transfer drifts had been driven through the ore horizons. The ore body of the lowest horizon was being crosscut by drifts to connect the raises. Air was circulated by small compressed air driven fans which forced air through flexible tubing into the working faces.

Ore and waste was hand loaded into wheelbarrows and trammed to the raises. On the haulage level a mucking machine was employed in driving the adit. A compressed air locomotive was used in collecting ore and waste from the raises as well as the adit face. Five men were employed on a single shift bases on date of examination.

James W. Hager
James W. Hager
Mining Engineer

Orig. to: Supt., Navajo Agency ✓
cc: Comm., Office of Indian Affairs
: Navajo Tribal Mining Engineer
: Chief, Mining Branch
: Files

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF INDIAN AFFAIRS
Navajo Agency, Branch of Realty
Window Rock, Arizona

(R-1)

File Copy

Surname

Long

December 12, 1957

~~Kerr McGee Oil Industries, Inc.~~

~~P. O. Box 608~~

~~Shiprock, New Mexico~~

Dear Sir:

The advance rental in the amount of \$ 418.00, on your Assignment of Navajo Tribal Mining Permit No. 150, which expires January 24, 1959 becomes due on January 24, 1958. Please remit your check made payable to "Bureau of Indian Affairs", prior to the above due date.

If you are contemplating a release of the Assignment, please inform us prior to the due date of rental, otherwise it will become due and payable.

If we do not hear from you on or before due date, the Assignment will be referred to the proper authorities for appropriate action.

In the event your Assignment is cancelled after the due date of the rental, it may be necessary to call upon your surety for payment. Sureties will not be released until all obligations are paid.

Sincerely yours,

/s/ M. D. Long

Chief, Branch of Realty

Actg.

cc: Permit No. 150

Phillips For K

KERR-McGEE OIL INDUSTRIES, INC.

Post Office Box 608 • Shiprock, New Mexico

United States Department of Interior
Bureau of Indian Affairs
Navajo Agency, Branch of Realty
Window Rock, Arizona

Attention: M. D. Long

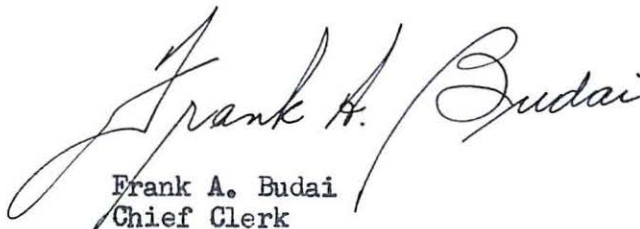
Gentlemen:

Our records indicate that Permit 150 for Dan Phillips Estate and Permit 239 for Koley Black have been properly renewed, but we do not have on file from you official notification of this.

Will you please forward us a copy of these renewals at your earliest convenience. Thank you.

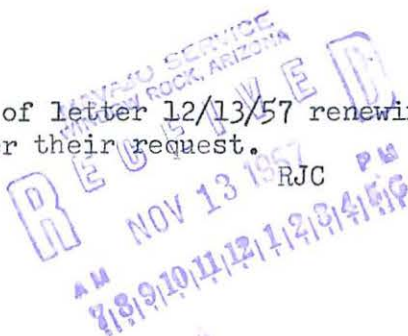
Yours truly,

KERR-McGEE OIL INDUSTRIES, INC.
Navajo Uranium Division


Frank A. Budai
Chief Clerk

FAB:sk

11/14/57 copy of letter 12/13/57 renewing permit furnished Kerr-McGee as per their request.



File Copy
Surname

[Handwritten signature]
[Handwritten signature]
[Handwritten signature]

U. S. DEPARTMENT OF INTERIOR
BUREAU OF INDIAN AFFAIRS
NAVAJO AGENCY
WINDOW ROCK, ARIZONA

MAR 13 1957

Estate of Dan Phillips - Pearl Phillips

c/o P. O. Box 608

Shiprock, New Mexico

Dear Mrs. Phillips:

Pursuant to your request and approval of the Advisory Committee on March 8, 1957, you are hereby advised that your Mining Permit No. 150 is renewed for an additional two year term from January 24, 1957, which date your permit expired under its two year term.

Yours very truly,

/s/ PAUL JONES

Chairman, Navajo Tribal Council

(Sgd.) G. Warren Spaulding

General Superintendent

~~Realty~~
Chrono
USGS

Kerr-McGee Oil Industries, Inc.

Shiprock, N. M. Copy furnished 11/14/57

ACTION OF ADVISORY COMMITTEE

Name of Applicant Ray Phillips

Address _____

SUBJECT Renewal of M.P. #150 for an

Information and Remarks: _____

ACTION OF ADVISORY COMMITTEE

DATE 3-8-57

Recommended for renewal for the following reasons
and or subject to the following conditions, by a vote of 7 for and
0 against.

Scott Preston
Chairman of Committee

REMARKS OR SUBSEQUENT ACTION:

Route Sheet

| Subject: <u>Renewal</u> (s) of Mining Permit No. <u>to:</u> <u>Dan Phillips #150</u> | | Attachments <u>appln. for Renewal</u> | |
|--|--------------------------|--|----------|
| Route to | Released Initial Date | | COMMENTS |
| 1. Long | <u>mol</u> | <u>1-8</u> | |
| 2. Spaulding | <u>mol</u> | <u>1/14/59</u> | |
| 3. Long | <u>mol</u> | <u>1-14</u> | |
| 4. Long <u>not required</u> <u>Auer</u> | <u>#1</u> | | |
| 5. Agency Committee | | | |
| 6. Long | | | |
| 7. Jones | | | |
| 8. Spaulding | | | |
| Long | | | |
| Long | | | |
| Originator's Instructions for Final Disposition <u>Return to Realty</u> | | | |

7 and 8 Signature

Comment & Return

1, 2 & 3 Concurrence & Surname

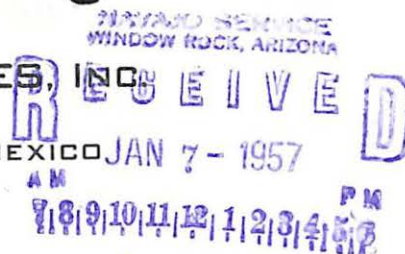
Originator: M. D. Long, Chief, Branch of Realty, Phone #22793

Date

KERR-McGEE OIL INDUSTRIES, INC.

NAVAJO URANIUM DIVISION

P. O. BOX 608, SHIPROCK, NEW MEXICO



January 3, 1957

Mr. Marvin Long, Chief
Branch of Realty
Bureau of Indian Affairs
Window Rock, Arizona

Dear Mr. Long:

Enclosed please find application for two year extension of
Dan Phillips Estate Mining Permit No. 57.

The application is self-explanatory and we will appreciate
your placing this matter on the agenda of the Advisory
Committee.

Very truly yours,

KERR-McGEE OIL INDUSTRIES, INC.
Navajo Uranium Division

Jack Landon

Jack Landon
Mine Superintendent

JL:cs

Encl.

5-154 d
(December 1939)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of Indian Affairs

EVIDENCE OF AUTHORITY OF OFFICERS TO EXECUTE PAPERS .

(To be sworn to by Secretary of President of a corporation and sealed with its seal).

I solemnly swear that A. T. F. Seale and
J. H. Lollar, Jr. were on the 7th day
of December 19 56, the duly elected, qualified, and acting vice-
president and secretary, respectively, of
Kerr-McGee Oil Industries, Inc.

a corporation organized under the laws of Delaware on which day they exe-
cuted an application for extension / of mining* permit for and in behalf of said corporation,
covering certain** tribal lands of the Navajo Indian
Reservation, in the State of Arizona; that they were fully empowered
to execute said instrument and all papers in connection therewith, and
that their action in executing the same binds the said corporation to
full performance of all obligations thereunder.

Secretary
(Title)

(CORPORATE SEAL)

This 20th day of December 19 56.

Subscribed and sworn to before me this 20th day of December 19 56.

(Signed)

Notary Public
(Title)

(SEAL) My commission expires: Feb. 5, 1958

* Indicate whether lease, bond or assignment
** Indicate whether tribal or allotted.

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the term of said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc. and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit on a continuous basis since April 1956 and during various times in 1954 and 1955. At the present time ore is being mined on a daily basis.

Executed and witnessed this 7th day of
December, 1956.

Witness:

Claramay M. Snyder

Pearl P. Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

Attest:

W. Hall Jr.

KERR-McGEE OIL INDUSTRIES, INC.

By: A. T. F. Seal
Vice President

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the term of said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc. and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit on a continuous basis since April 1956 and during various times in 1954 and 1955. At the present time ore is being mined on a daily basis.

Executed and witnessed this 7th day of
December, 1956.

Witness:

Claramay M. Snyder

Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

Attest:

[Signature]

KERR-MCGEE OIL INDUSTRIES, INC.

By: A. T. F. Sealy
Vice President

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the term of said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc. and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit on a continuous basis since April 1956 and during various times in 1954 and 1955. At the present time ore is being mined on a daily basis.

Executed and witnessed this 7th day of
December, 1956.

Witness:

Claramay M. Snyder

Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

Attest:

W. L. Hall Jr.

KERR-MCGEE OIL INDUSTRIES, INC.

By: A. T. F. Sealy
Vice President

APPLICATION FOR TWO YEAR EXTENSION OF MINING PERMIT

Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

The undersigned applicant, Pearl Phillips, administratrix of the Dan Phillips Estate Mining Permit No. 150, officially approved January 24, 1955, covering tribal lands on the Navajo Indian Reservation in the County of Apache, State of Arizona.

Pursuant to the provisions of said Mining Permit No. 150, the undersigned applicant, hereby applies for an extension of the term of said Permit for an additional two years. In support of this application, the applicant states:

Said Mining Permit No. 150, was assigned to Kerr-McGee Oil Industries, Inc. and approved by the Advisory Committee of the Navajo Tribal Council under date of May 5, 1954, and approved by the Area Director under date of January 24, 1955.

Said Mining Permit No. 150 is now in good standing insofar as advance rentals having been paid and development requirements having been met. Ore has been mined from this Mining Permit on a continuous basis since April 1956 and during various times in 1954 and 1955. At the present time ore is being mined on a daily basis.

Executed and witnessed this 7th day of
December, 1956.

Witness:

Clarence M. Snyder

Pearl Phillips
Pearl Phillips, Administratrix of
Dan Phillips Estate

Attest:

W. H. Sealey

KERR-MCGEE OIL INDUSTRIES, INC.

By: W. T. F. Sealey
Vice President



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 829
Carlsbad, New Mexico
December 17, 1956

MINE INSPECTION REPORT
MESA 2 MINE 1
NAVAJO RESERVATION
APACHE COUNTY, ARIZONA

DAN PHILLIPS
PERMIT # 150
& PERMIT # 21

by
J. W. Hager
Mining Engineer

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION - MINING BRANCH

On November 30, 1956, Mesa 2 Mine 1 on permit # 150, issued to Dan Phillips was examined. The permit was assigned to the Navajo Uranium Division of Kerr-McGee Oil Industries Inc., in January, 1955. The permit is located in Apache County, Arizona in the Lukachukai Mountains about 4 miles West of Cove.

On date of examination the mine was under development. The ore occurs in the Saltwash sandstone as irregular lenses in three horizons approximately thirty feet apart. The lower level had been developed by an adit about 500 feet long which will be used as the main haulage way. Three raises had been driven from the lower level through the middle horizon to the upper ore zone. A drift had been driven from the surface to develop the middle ore zone and improve ventilation as well as serve as a second escape way. The upper zone had been developed by a drift connecting the three raises.

It is planned to mine all the ore by breast stoping using the raises to lower the ore from the upper levels and haul it to the surface through the lower adit to a heated steel bin.

On date of examination 12 men were employed on a single shift 6 day week basis. The engineer in charge stated that twenty more men would be employed the following week and a second shift added.

Development drift rounds were being drilled wet by jack-hammers mounted on pneumatic legs. Waste was loaded by an Emco mucking machine into one ton cars and trammed by hand.


J. W. Hager
Mining Engineer

Orig. to: Supt., Navajo Agency ✓
cc: Comm., Office of Indian Affairs
: Navajo Tribal Mining Engineer
: Chief, Mining Branch
: Files

Resources: Realty

Navajo Agency
Window Rock, Arizona
January 26, 1955

File
D
URAN

Mr. M. F. Bolton
Kerr-McGee Oil Ind., Inc.
Navajo Uranium Division
Box 608
Shiprock, New Mexico

Dear Mr. Bolton:

Pursuant to your request and the approval of the Advisory Committee, your assignment on mining permit No. 150 of the Estate of Dan Phillips was officially approved by the Area Director on January 24, 1955, and an approved copy thereof is enclosed for your file.

Yours very truly,

(s) Thomas Lynch

M. D. Long,
Chief, Branch of Realty

Encl:

TL:rd

cc: Realty ✓
Chrono
M/F
U.S.G.S, Carlsbad, New Mex.

Navajo Agency
Window Rock, Arizona
September 1, 1954

Resources: Realty

Mr. M. F. Bolton
Navajo Uranium Division of
Kerr-McGee Industries, Inc.
Shiprock, New Mexico

Dear Mr. Bolton:

Our attorney advises that the Mining Permit No. 150 for the Estate of Dan Phillips can not be approved as it is presently signed, since Pearl H. Phillips in order to legally represent the Dan Phillip's estate, must be duly appointed administratrix and a copy of said appointment filed with the permit in order to show that she has authority to sign the permit on behalf of said estate.

Very truly yours,

(S) M. D. LONG

M. D. Long, Chief
Branch of Realty

MDL: gm

cc: Realty
Chrono
M/F

RESOURCES
Realty

Navajo Agency
Window Rock, Arizona
August 11, 1955

*File
to
Uran
Permit # 150*

Mr. J. F. Brown
Mining Division
Atomic Energy Commission
Grand Junction, Colorado

Dear Mr. Brown:

Pursuant to your telephonic request of yesterday, I am enclosing herewith our file copies of Tribal Mining Permits #21, 150 and 239, together with Assignment of Mining Permits 150 and 239 of Kerr-McGee Oil Industries Inc. There is no Assignment at this time on the Mining Permit #21.

Please return these documents to this office as soon as possible.

Very truly yours,

M. D. Long,
Chief, Branch of Realty

Enclosures

cc: Realty
Chrono.
M/F

MDLong/hs - 8/10/55

Resources: Realty

Navajo Agency
Window Rock, Arizona
January 26, 1955

Estate of Dan Phillips
Pearl Phillips, Administratrix
Dove Creek, Colorado

Dear Madam:

Enclosed herewith is an approved copy of mining permit
No. 150 issued to the Estate of Dan Phillips and being officially
approved by the Area Director on January 24, 1955.

Yours very truly,

(s) Thomas Lynch

for
M. D. Long,
Chief, Branch of Realty

Encl:

TL:rd

cc: Realty ✓
Chrono
M/F
U.S.G.S., Carlsbad, New Mex.
Kerr-McGee Oil Ind., Shiprock, New Mexico

Resources: Realty

Navajo Agency
Window Rock, Arizona

September 30, 1954

Mr. M. F. Bolton
Navajo Uranium Division of
Kerr-McGee Oil Industries, Inc.
PO Box 608
Cortez, Colorado

Dear Mr. Bolton:

This office is in receipt of settlement sheets for the months of June and July 1954, indicating ore deliveries on mining permit No. 140. This is to advise you that the number as shown on settlement sheets is incorrect. The correct number of said mining permit is No. 150, please change your records accordingly.

Very truly yours,

Thomas Lynch
for M. D. Long,
Chief, Branch of Realty

cc: Realty

chron

M/F

Jackson, AS&R., Grand Junction, Colo.

Resources: Realty

Navajo Agency
Window Rock, Arizona
August 31, 1954


Mr. R. H. Allport
Regional Mining Engineer
P O Box 829
Carlsbad, New Mexico

Dear Mr. Allport,

In reply to your letter of August 17, 1954, regarding your receipt of settlement sheets on Navajo Tribal mining permit No. 140, under which the Navajo Uranium Division of Kerr-McGee Oil Industries, Inc. has made deliveries during the month of June, 1954.

The mining permit and the assignment have not been officially approved as yet since it is involved in an estate which is in the process of settlement and therefore, any royalties accruing thereof must be held in trust. Incidentally, the correct number of subject mining permit is No. 150. When approved, a copy of the permit and assignment will be forwarded.

Very truly yours,


M. D. Long, Chief
Branch of Realty

TL: gm

cc: Kerr-McGee Oil Industries, Inc., Shiprock, N.Mex.
Realty
Chrono
M/F



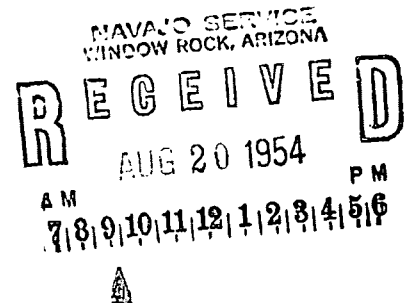
IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 829
Carlsbad, New Mexico

August 17, 1954

Mr. Marvin D. Long, Chief
Branch of Realty
Window Rock Area Office
Window Rock, Arizona



Dear Mr. Long:

This office has just received Settlement Sheets on Navajo Tribal Permit No. 140, which has been assigned to the Navajo Uranium Division of the Kerr-McGee Oil Industries, Inc.

This office does not have a copy of this permit, nor of the assignment, and it would be appreciated if you could furnish us with the same.

In addition, in Liquidation Sheet No. 5802, which is made out to this permit, the mine listed is on lease I-149-Ind-8666.

Very truly yours,

R. H. Allport
Regional Mining Supervisor

Office Memorandum • UNITED STATES GOVERNMENT

TO : G. Warren Spaulding, Gen. Supt. Navajo Agency
Window Rock, Ariz.
Attn: Branch of Realty.

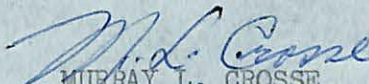
DATE: August 23, 1954.

FROM : Field Solicitor, Gallup Area Office, Gallup, N.M.

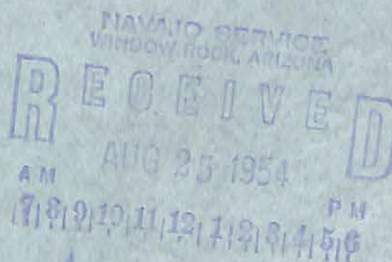
SUBJECT: Issuance of Navajo Tribal Mining Permit to "Estate of Dan Phillips."

I am returning the attached Tribal Mining Permit No. 150 as issued on May 5, 1954, by the Tribal Chairman to the "Estate of Dan Phillips" (deceased Navajo) covering three parcels of Navajo Tribal lands in Apache County. It is noted that Pearl H. Phillips signed the permit as widow and heir.

You are advised that a permit of this class can only be issued to a living person. Where a prospector has died, the legal representative duly appointed by the Court for the administration of the estate of the decedent may make application for the permit. Accordingly the permit should be reprocessed to show issuance to the duly appointed Administrator of the Estate of Dan K. Phillips. It is my understanding that probate proceedings were recently instituted in Apache County for the administration of the estate of Dan K. Phillips.


MURRAY L. CROSSE,
Field Solicitor

Attachment



KERR-McGEE OIL INDUSTRIES, INC.

NAVAJO URANIUM DIVISION

P. O. BOX 608. SHIPROCK, NEW MEXICO

June 3, 1954



U. S. Department of the Interior
Bureau of Indian Affairs
Window Rock Area Office
Window Rock, Arizona

Att: Mr. Marvin Long
Chief, Branch of Land

Dear Mr. Long:

In accordance with your instructions, enclosed herewith are five copies of Mining Permit No. 140, granted to the Estate of Dan Phillips, which have been executed by Pearl Phillips.

Yours very truly,

NAVAJO URANIUM DIVISION OF
KERR-McGEE OIL INDUSTRIES, INC.

M. F. Bolton
Resident Manager

MFB/bh

encs. 5

Navajo Agency
Window Rock, Arizona

May 27, 1954

Navajo Uranium Division of
Kerr-McGee Oil Industries, Inc.
P.O. Box 608
Cortez, Colorado

Attention: Mr. Bolton

Dear Sir:

Enclosed herewith are five (5) copies of mining permit No. 140 of the Estate of Dan Phillips which was recommended for approval by the Advisory Committee on May 5, 1954. All copies must be signed by Pearl Phillips, widow and heir of Dan Phillips, and returned to this office for official approval of the General Superintendent and the Chairman of the Navajo Tribal Council.

Very truly yours,

(S) M. D. Long

M. D. Long, Chief,
Branch of Realty

Enclosures

cc: Realty
 chrono
 M/F

D. A. McGEE
EXECUTIVE VICE-PRESIDENT



KERR-McGEE BUILDING
OKLAHOMA CITY 2, OKLA.

October 10, 1952

Mr. Sam Ahkeah
Chairman of Advisory Committee of
Navajo Tribal Council
Window Rock, Arizona

Dear Sir:

Enclosed are three applications for a two year extension of mining permits.

As you will recall, representatives of this company met with your Advisory Committee at Window Rock, Arizona, on July 10, 1952, together with the mining permit holders, Dan Phillips, Koley Black and Henry Phillips, and requested that the Advisory Council pass a resolution approving certain operating agreements between this company and the above permit holders. At this meeting you advised that the approval of the operating agreements would be withheld until the commencement of construction of a mill at Ship Rock, New Mexico.


In light of the foregoing, it is necessary, in order for us to proceed further, that we and the above mining permit holders secure extensions of the mining permits.

Should it be necessary for the above permit holders and ourselves to again appear before the Advisory Committee in connection with the granting of the extension of the mining permits, we of course, shall be pleased to do so, if you will advise us.

Thanking you for your kind consideration in this matter, we remain,

Very truly yours,

KERR-McGEE OIL INDUSTRIES, INC.


D. A. McGee
Executive Vice-President

Window Rock Area Office
Window Rock, Arizona

October 3, 1950

Mr. F. A. Sitton,
Dove Creek, Colorado.

Dear Sir:

Enclosed in quintuplicate are mining permits in favor of Koley Black, Dan Phillips and Henry Phillips.

Please have the above sign all copies of the permits and return to this office for signature of the Chairman, and Vice-Chairman of the Council, and the approval of the General Superintendent.

Very truly yours,

Allan G. Harper,
Area Director.

By: M. D. Long,
Chief, Branch of Land.

Encls.

Dan Phillips

Window Rock Area Office
Window Rock, Arizona

November 3, 1930

Messrs. Dan Phillips, Henry Phillips,
and Moley Black,
c/o F. A. Sitten,
Dove Creek, Colorado.

Gentlemen:

Enclosed herewith for your information and file is an approved copy
of the mining permits issued for each of you on October 31, 1930.

Very truly yours,

M. D. Long,
Chief, Branch of Land

Encls.

cc M&F
Chrono
Land
R.H.Allport w/copies of permits.

ACTION OF ADVISORY COMMITTEE

Name of Applicant Misc applicants District _____

Subject: Minor Permits

Information and Remarks: Thomas Clani, Haley Black, Henry Phillips, Dan Phillips, Calvin Holiday, Bert Talbot.

ACTION OF ADVISORY COMMITTEE

DATE 9-29-50

Recommended for Approval for the following reasons and or subject to the following conditions, by a vote of 7 for and None against.

Sam Ahlrich
Secretary or Chairman of Committee

REMARKS OR SUBSEQUENT ACTION:

Dove Creek, Colorado ,
August 12, 1950

United States Department of the Interior,
Office of the Indian Affairs,
Window Rock Area Office,
Window Rock, Arizona.

Gentlemen:

I am desirous of obtaining a Mining Permit on
320 acres of land, the description of which is on the attached
rider. This is in the same area in which I now hold a lease
on 640 acres.

I would appreciate you giving this your immediate
attention.

Very truly yours,

DAN. PHILLIPS.

Dan Phillips

NOTICE OF LOCATION

Notice is hereby given that the undersigned has located lode, vein, or deposit bearing Gold, Silver, Uranium, Vanadium and other precious metals beginning at a point approximately three and one half miles Southerly from the Cove Day School running Easterly approximately one fourth^{miles}, thence Southerly one mile, thence Westerly three fourths mile, thence Northerly one half mile, thence Easterly one half mile, thence Northerly one half mile to the point of beginning. The tract contains 320 acres. This acerage to adjoin on the South Easterly side of the North portion of Koley Black's Mining Lease #8667.

Signed

Dan Phillips

NAVAJO SERVICE
WINDOW ROCK, ARIZONA

October 19, 1949

Justin

Mr. Dan K. Phillips
Box 57
Dove Creek, Colorado

Dear Sir:

We have your letter of October 13, 1949 requesting that your mining permit, which was issued August 6, 1949, be changed over into a regular mining lease. You state that this procedure is necessary since you are unable to secure financial help to build roads and purchase mining equipment, etc., under your existing permit.

The Advisory Committee of the Tribal Council must approve this type of request and said committee meets here beginning November 1st. In order to secure favorable consideration of your request, you must be able to show that you can comply with the mining laws under a regular mining lease. In this case you will have to furnish a \$8,000 surety bond to cover obligations under a mining lease for the acreage included in your permit. You must also pay an acreage rental for the first year of the lease at 25 cents per acre, plus a \$5.00 filing fee. For the second and third years of the lease you must pay 50 cents an acre rental, and for the fourth and each succeeding year thereafter, as long as the lease remains in force, \$1.00 per acre rental. These rentals must be paid in advance on a yearly basis. However, you are allowed credit against the royalty payment for the year in which acreage rental is paid.

If you appear before the Advisory Committee on November 1, 1949, you should have written information showing that you are able to comply with the regulations in connection with mining leases.

Very truly yours,

Allan C. Harper,
General Superintendent

MDL/vw

Lands ✓
Chrono.
M&F

OCT 17 1949

Dove Creek, Colorado,
October 13, 1949

Mr. Allan G. Harper,
General Superintendent Navajo Service,
Window Rock, Arizona.

Dear Sir:

I would like to get my mining Permit No. C73942, dated August 8th, 1949 transferred into a lease. Although I have had competent mining men pass favorably on my holdings, I cannot secure financial help to build roads and purchase mining equipment under my existing Permit.

Your immediate attention will be greatly appreciated so I can do some work while the weather permits. Please address all correspondence to me at Dove Creek, Colorado, Box # 57.

Very truly yours,

Dan K. Phillips
Dan K. Phillips.

640 0000

NAVAJO SERVICE
GINDOL RUCK, ARIZONA

October 18, 1949

American Smelting and Refining Company
P.O. Box 986
Grand Junction, Colorado

Attention: Mr. Martin E. Gaines

Sirs:

As per the suggestion of Mr. George Gallagher of the Atomic Energy Commission under date of October 1, 1949, we are enclosing herewith copies of mining permits granted to the following Navajo Indians:

| | |
|------------------------|-----------------|
| Sam Charley | Navajo, Arizona |
| Koley Black | Navajo, Arizona |
| <u>Dan K. Phillips</u> | Navajo, Arizona |
| <u>Henry Phillips</u> | Navajo, Arizona |

These permits cover sundry tracts of tribal lands on which the permittee is required to pay a 10% royalty of the gross sale price of all minerals recovered and sold from the premises. Mr. Gallagher stated that your office would be glad to cooperate in the matter of withholding the royalties due the Navajo tribe from Indian mining permits, provided that we furnish you with a copy of such documents. In determining royalties to be withheld from these Indian operations, the hauling allowance and development allowance should not be added on to the gross sale price, but should be handled separately with the Indian operator.

It will be appreciated if this royalty as deducted, together with a short report, showing tonnage, percentage of mineral content of the ore and the gross value, be submitted on a monthly basis, together with the remittance. Said remittance for the royalty due the tribe should be made payable to the Treasurer of the United States, and forwarded to this office.

We appreciate your interest and cooperation in these matters.

MDL/vw

Very truly yours,

Lands ✓
Chrono.
M&F

Allen G. Harper,
General Superintendent

Encls.

UNITED STATES
ATOMIC ENERGY COMMISSION
GRAND JUNCTION, COLORADO

ADDRESS REPLY TO:

MANAGER,
COLORADO RAW MATERIALS OPERATIONS
U. S. ATOMIC ENERGY COMMISSION
P. O. BOX 270
GRAND JUNCTION, COLORADO

October 1, 1949

AND REFER TO MA:GGG



Mr. Allan G. Harper, General Superintendent
Navajo Service
Office of Indian Affairs
U. S. Department of the Interior
Window Rock, Arizona

Dear Mr. Harper:

This refers to your letter of September 6, 1949, advising that your office is now engaged in issuing mining permits to Navajo Indians for the mining of uranium-vanadium ores found on the Navajo reservation and requesting ten percent royalty (haulage and development allowance excluded before calculating royalty) be withheld on ores sold by Navajo Indians under these permits at the Monticello, Utah, ore buying station.

Ore purchases at Monticello are made by American Smelting and Refining Company, Ore Buying Agent for the U. S. Atomic Energy Commission, Mr. Martin N. Gaines, Manager. This company will be pleased to cooperate with the Office of Indian Affairs in withholding royalties on ores mined under the mining permits and sold to them.

It is suggested that you furnish copies of the mining permits issued, accompanied by a request that royalties be withheld and giving the exact payee to whom royalties are to be paid, to:

American Smelting & Refining Company
Post Office Box 986
Grand Junction, Colorado
Attention: Mr. Martin N. Gaines

Mr. Allan G. Harper

-2-

October 1, 1949

The necessity of securing licenses from the U. S. Atomic Energy Commission for the sale of uranium ores should be pointed out to the Navajo permittees intending to sell ore. All of the information and forms regarding licensing can be obtained at the Monticello ore buying station. Temporary ore shipment permits can also be obtained at the Monticello buying station at the time of the first delivery of ore by any one shipper.

Very truly yours

A handwritten signature in blue ink, appearing to read "Geo. G. Gallagher".

Geo. G. Gallagher
Deputy Assistant Manager
Raw Materials Operations

October 1, 1949

MA:GGG

Mr. Allan G. Harper, General Superintendent
Navajo Service
Office of Indian Affairs
U. S. Department of the Interior
Window Rock, Arizona

Dear Mr. Harper:

This refers to your letter of September 6, 1949, advising that your office is now engaged in issuing mining permits to Navajo Indians for the mining of uranium-vanadium ores found on the Navajo reservation and requesting ten percent royalty (haulage and development allowance excluded before calculating royalty) be withheld on ores sold by Navajo Indians under these permits at the Monticello, Utah, ore buying station.

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American Smelting & Refining Company
Post Office Box 986
Grand Junction, Colorado
Attention: Mr. Martin H. Gaines

Mr. Allan G. Harper

-2-

October 1, 1949

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Very truly yours

G. G. S.

Geo. G. Gallagher
Deputy Assistant Manager
Raw Materials Operations

Dan Phillips

Sell - Contract no J-149-2nd-8666

Navajo Service
Window Rock, Arizona.

September 13, 1949.

Mr. Dan K. Phillips,
Kayenta, Arizona.

Dear Sir:

Enclosed herewith is your Atomic Energy Commission License # P-501 to transfer and deliver possession of and title to raw source material from your mining claim known as Cove # 1 - located in District # 12, on the Navajo Reservation, in Apache County, Arizona.

Please read the license over carefully and comply with the conditions outlined therein; you will note that the license will expire on September 1, 1950. If you want it renewed, you should write direct to the address written on the license prior to its expiration.

You must have this license in your possession when you deliver ore to the Mill, otherwise that will refuse to make payment for your deliveries. Forms AEC-3 are also enclosed, and should be furnished monthly to the Atomic Energy Commission, after you have actually produced one ton or more of the vanadium-uranium ore.

Very truly yours,

Allen G. Harper,
General Superintendent.

MDL:nh

CC-Lands
Chrono
M&F

Navajo Service
Window Rock, Arizona

September 2, 1949

U. S. Atomic Energy Commission,
P. O. Box 30, Ansonia Station,
New York 23, N. Y.

Sirs:

Enclosed herewith in duplicate are applications for AEC licenses to transfer, deliver, export, or receive uranium or thorium source material, by Coley Black, Ben A. Phillips, and Henry Phillips, Navajo Indians of Kayenta, Arizona. Also enclosed is one copy each of the mining permits granted to these men to mine this material on the Navajo Indian Reservation.

When issued, the licenses and copies of the mining permits should be returned to this office for delivery to the persons entitled thereto.

Very truly yours,

Allan G. Harper,
General Superintendent.

Encls.

MDL
cc B&F Lands Chrono

Navajo Service
Window Rock, Arizona

August 16, 1949

Mr. Dan K. Phillips
c/o Daniel L. Hayes
Monticello, Utah

Dear Sir:

Enclosed herewith in quintuplicate are approved mining permits for yourself, Koley Black, and Henry Phillips. Each of you must sign your permits and return the original and the three copies to this office, keeping the last copy for your own file.

Your attention is called to Section B of the permit, with particular reference to provisions that you must comply with for the preservation of the health and safety of any workmen that you use in operations of this permit.

There are also enclosed herewith in triplicate, applications for Atomic Energy Commission license to transfer, deliver, export, or receive Uranium or Thorium source material. These applications must also be signed by yourself, Henry Phillips, and Koley Black, where indicated with red pencil. Please return these applications for license to this office, since they must be forwarded to the Atomic Energy Commission for approval.

Very truly yours,

Allan G. Harper
General Superintendent

Encls.

CC: McF
Lands ✓
Chrono

Phillips, Dan K.
Monticello, Utah

331

Land & Claims

7-30-8-4-49

Re our conversation re mining permits for Koley Black, Henry Phillips and myself. Will appreciate your sending these permits to Monticello, Utah c/o Daniel L. Hayes, am planning to be employed here untill I start mining.

ek

*and 8-16-49
m et*

Phillips, Dan K.
Monticello, Utah

331

Land & Claims

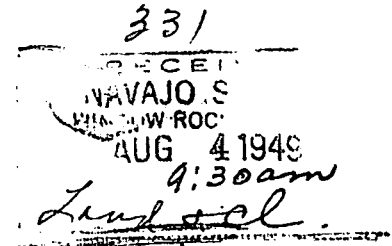
7-30-8-4-49

Re our conversation re mining permits for Koley Black, Henry Phillips and myself. Will appreciate your sending these permits to Monticello, Utah c/o Daniel L. Hayes, am planning to be employed here untill I start mining.

ek

Monticello, Utah,
July 30, 1949.

Mr. Allan G. Harper
General Superintendent
Window Rock, Arizona



Dear Sir:

Reference is made to our conversation regarding the mining permits for Koley Black, Henry Phillips and myself which you had not received last Friday when we had the meeting.

I will appreciate it if you will send these permits to me at Monticello, Utah C/o Daniel L. Hayes instead of to Kayenta, as I plan to be employed here until I start the mining.

Thanking you, I am

Respectfully,

Dan Phillips.

Dan K. Phillips.

UNITED STATES

DEPARTMENT OF THE INTERIOR

INDIAN FIELD SERVICE

NAVAJO SERVICE

WINDOW ROCK, ARIZONA

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID

PAYMENT OF POSTAGE, \$300
(PMGC)

Mr. Dan K. Phillips
Census No. 7394
Monticello, Utah

Navajo Service
Window Rock, Arizona

July 12, 1949

Messrs. Dan K. Phillips, Henry Phillips
and Coley Black
Kayenta, Arizona

Dear Sirs:

In regard to your request for a Vanadium Uranium mining permit on the Navajo Reservation, this is to advise that the Advisory Committee of the Navajo Tribal Council will meet at Window Rock, Arizona on July 27th to consider these requests.

It is, therefore, suggested that you arrange to be present here and prepare to apply in person to the Advisory Committee, since they have requested that all applicants must appear before them before they will approve the permit.

Very truly yours,

Allan G. Harper
General Superintendent

MDL/ak

CC: M&F
Lands ✓
Chrono

Navajo Service
Window Rock, Arizona

May 25, 1949

Messrs. Dan E. Phillips,
Henry Phillips, and Kelsey Black,
Kayenta, Arizona.

Sirs:

In accordance with your request, and the approval of the District Tribal Council of District No. 12, you are hereby granted permission to prospect for minerals, other than oil and gas, within the boundaries of District No. 12 of the Navajo Reservation, for a period of one year from date hereof.

You are advised that under this permit no ores or materials may be removed from the reservation except small quantities for assay or experimental purposes.

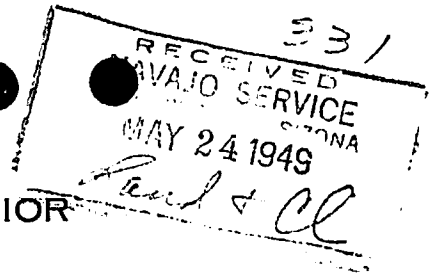
Since you are Navajo Indians, you may be entitled to discovery rights on mineral deposits that you may find, provided, that they have not already been discovered by someone else, or are not already under a mining lease contract. In case you find valuable deposits of minerals you should so advise this office in writing, giving full information regarding type of minerals, and the location and size of the deposits. Discovery claims of Navajo Indian prospectors must be approved by the Advisory Committee of the Navajo Tribal Council.

Very truly yours,

Walter O. Olson,
Acting General Supt.

MDL
cc Mr. Landa
L.C. Jones

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS
FIELD SERVICE



To Dist. Council Dist. 12

Kayenta, Ariz.
May 9, 1949

We hereby ask and respectfully request
Permission to prospect for minerals in
Dist. 12.

Respectfully yours

Dan K. Phillips #73942
Henry Phillips

approved Dist. 12 Council Taly Black #73023

Joe Duncan
Jesse Dizon

His mark.

Lee Sam

COVE #1

NOTICE OF LOCATION

Notice is hereby given that the undersigned has located lode, vein, or deposit bearing Gold, Silver, Vanadium, Uranium, and other precious metals ~~x~~ beginning at a monument approximately three and one half miles in a southerly direction from Government Day School in Cove and will run two miles in a westerly direction, thence $\frac{1}{2}$ mile in a southerly direction, thence two miles easterly, thence one half mile northerly to the point of beginning, containing approximately 640 acres, in unsurveyed country, located this 12th day of May, 1949 in District 12 on the Navajo Reservation. ~~x~~

Opache County, Arizona

Dan K. Phillips
Dan K. Phillips

73942

Hayden, Arizona

Navajo Service
Window Rock, Arizona

May 9, 1949

Messrs. Dan K. Phillips, Henry Phillips,
and Coley Black,
Tombstone, Arizona.

Sirs:

In accordance with the approval of the District Tribal Council of District No. 9, you are hereby granted permission to prospect for minerals, other than oil and gas, within the boundaries of District No. 9 of the Navajo Reservation for a period of one year from date hereof.

Under this permit you are advised that no ores or materials may be removed from the reservation except small quantities for assay or experimental purposes.

Since you are Navajo Indians you may be entitled to discovery rights on minerals that you may find, provided that they have not already been discovered by someone else, or are already under lease for mining purposes. In case you find valuable deposits of minerals you should so advise this office in writing, giving full information regarding type of minerals, and the location and size of the deposits. Discovery claims of Navajo prospectors must be approved by the Advisory Committee of the Navajo Tribal Council.

Very truly yours,

Walter O. Olson,
Acting General Supt.

cc Mr. Lands M.A. South

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS
FIELD SERVICE

Kayenta Arizona
April 28 - 49.

Mr South.

We would like to have a permit
to prospect for Mineral in Dist Nine. would
you get one for us please.

Sincerely yours.
Dan K. Phillips
Henry Phillips
Booley Black.

We the Delegates of Dist 9 here
by Give our permission

David Clark
Attesty Bedah #20143

Clark Hable

527-24-9876

Navajo Service
Window Rock, Arizona

April 21, 1949

Messrs. Dan E. Phillips and Henry Phillips,
Kayenta, Arizona.

Sirs:

In accordance with the approval of the District Tribal Council of District No. 2, you are hereby granted permission to prospect for minerals, other than oil and gas, within the boundaries of District No. 2 of the Navajo reservation for a period of one year from date hereof.

Under this permit no ores or materials may be removed from the reservation except for assay or experimental purposes, and in quantities necessary only for said purposes.

Since you are Navajo Indians you may be entitled to discovery rights on minerals that you may find, and on which no one else has a prior claim. You should furnish this office with written reports giving locations and boundary descriptions on ore deposits that you may discover, together with information concerning type of minerals, and assay reports if same are available. The matter of discovery rights is something that must have approval of the Tribal Council or the Advisory Committee of the Tribal Council.

Very truly yours,

J. M. Stewart,
General Superintendent.

MDL

cc MBF

Lands

Winston Marks

Kayenta, Arizona

To whom it may concern:

We the undersigned, Delegates of District 2, do hereby give our consent to Dan K. Phillips and Henry Phillips to prospect for minerals other than gas and oil in District 2.

Under this permit no ores or minerals will be removed from the District except for small quantities for assay purposes.

Paul A. Begay

Paul Begay, Delegate

H. T. Donald

H. T. Donald, Delegate

Joe Fuller, Delegate

To whom it may concern:

We the undersigned, Delegates of District 2, do hereby give our consent to Dan K. Phillips and Henry Phillips to prospect for minerals other than gas and oil in District 2.

Under this permit no ores or minerals will be removed from the District except for small quantities for assay purposes.

Paul A. Begay
Paul Begay, Delegate

H. T. Donald
H. T. Donald, Delegate

Joe Fuller
Joe Fuller, Delegate

To whom it may concern:

We the undersigned, Delegates of District 2, do hereby give our consent to Dan K. Phillips and Henry Phillips to prospect for minerals other than gas and oil in District 2.

Under this permit no ores or minerals will be removed from the District except for small quantities for assay purposes.

Paul A. Begay

Paul Begay, Delegate

H. T. Donald

H. T. Donald, Delegate

Joe Fuller, Delegate

Kayenta, Arizona
April 12, 1949

Mr. J.M. Stewart,
General Supt.
Navajo Agency,
Window Rock, Arizona

On the above date I located this mining claim Phillip #2, 3/4 of a mile south of Oljato Trading Post where Sagie and Oljato creek come together, containing 30 acres. *Utah*.

Phillips #2, On the above date I located this mining claim Phillips #3, 1/2 mile Northeast of Oljato Trading Post containing 15 acres. *Utah*.

Phillips #1, on March 28, 1949, I located mining claim about one mile southeast of Mitchell Butte on top rim of Mitchell Mesa, containing 20 acres. *Arizona*

Above claims contain copper, Uranium and Vanadium, and perhaps other minerals.

I hereby claim discovery rights on the above mentioned claims.

Very truly yours,

Dan K. Phillips

Dan K. Phillips

Navajo Service
Window Rock, Arizona

March 23, 1949

Messrs. Dan A. Phillips and Henry Phillips,
Oljeto, Utah,
c/o District Supervisor,
Kayenta, Arizona.

Sirs:

In accordance with the approval of the District Tribal Council of District No. 8, you are hereby granted permission to prospect for minerals, other than oil and gas, within the boundaries of District No. 8 of the Navajo Reservation for a period of one year from date hereof.

Under this permit you are advised that no ores or materials may be removed from the reservation except for small quantities for assay or experimental purposes.

Since you are Navajo Indians, you may be entitled to discovery rights to minerals that you may find, provided, that they are not already under lease, or have been previously discovered by others. The matter of original discovery rights in the case of Navajo prospectors must be reported in writing to the Tribal Council at Window Rock, giving full information regarding type and quality of minerals, and the location of the deposits. A Navajo's claim for discovery rights on mineral deposits must be approved by the Advisory Committee of the Tribal Council.

Very truly yours,

J. M. Stewart,
General Superintendent.

MDL

cc M&F

Landa

George Dewey, Kayenta, Ariz.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS
FIELD SERVICE
February 26, 1949



We, the members of district # 8 Tribal Council, grant permission to Dan K. Phillips and Henry Phillips of Oljeto, Utah, to prospect for minerals on the Navajo Reservation within the boundaries of district # 8.

Recommended by;

George F. Dewey
George F. Dewey

Supervisor, District # 8

Frank Bradley

Frank Bradley

Descheenie



Noeki Berry

John Lee Simpson

John Lee Simpson

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha..... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated ...*Nakado Reservation*..... in County, State of *Ariz Dist 12*..... and described and marked on the ground as follows, to-wit:

Beginning at a Monument 100ft from the Bridge at Red Rock Trading Post. Running 1000ft Northely thence 600ft Eastely thence 1500ft Southely thence 600ft Westely thence Northely 500ft to Point of Beginning

This Mining Claim shall be known as the *Red Rock # 1*..... Mining Claim.

Located this *21*..... day of *May*..... A. D., 1949.

NAMES OF LOCATORS

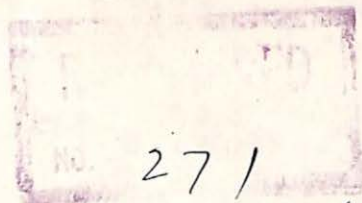
Dan H. Phillips.....
Halcy Black.....
.....

Filed for record this day of, 1949.
....., County Recorder

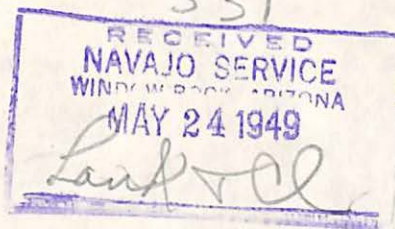
By Deputy.

Dan H. Phillips
Mayanta
Ariz.

Registered



Mr J. M. Stewart
General Superintendent
Window Rock
Ariz.



Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation

in County, State of Ariz. Dist. 12

and described and marked on the ground as follows, to wit:

Beginning at A Monument APP 3 Miles West from
Government Day School in Cove
thence 600 ft. West or W then 1500 ft. South or S
thence 1000 ft. East or E then 750 North or N
to Point of Beginning

This Mining Claim shall be known as the Cove # 21
Mining Claim.

Located this 18 day of May A. D. 1949

NAMES OF LOCATORS

Dan H. Phillips
Malay Black

Filed for record this day of, 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation in County, State of Ariz- Dist. 12 and described and marked on the ground as follows, to wit:

Beginning at A Monument app. 3 1/2 miles from
Government Day School in Cove in a southerly direction
Running westerly 600 ft. thence Northerly 1500 ft thence
Easterly 600 ft thence southerly 1500 ft to point of
Beginning

This Mining Claim shall be known as the Cove # 22 Mining Claim.

Located this 18 day of May A. D. 1949

NAMES OF LOCATORS

Dan H. Phillips
Wiley Bloch

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated *Navajo Reservation* in County, State of and described and marked on the ground as follows, to-wit:

Beginning at A Monument across the Canyon from Claim Cove #10 on North Side Running 750 ft. W thence N 600 ft. thence E 1500 ft. thence S 600 ft. thence W 750 ft. to Point of Beginning

This Mining Claim shall be known as the *Cove # 25* Mining Claim.

Located this *18* day of *May* A. D., 1949.

NAMES OF LOCATORS

Dan H. Phillips
Halley Black
.....

Filed for record this day of, 1949.
..... County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation in County, State of Ariz. Dist. 12 and described and marked on the ground as follows, to-wit:

Beginning at A Monument S.E. of Claim Cove # 7
App. 1/4 mile 750 ft. South then 600 ft
West then 1500 ft. North then East
600 ft. then South 750 ft to Point of Beginning

This Mining Claim shall be known as the Cove # 26 Mining Claim.

Located this 21 day of May A. D., 1949.

NAMES OF LOCATORS

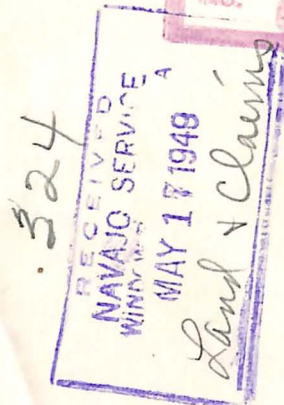
Don H. Phelan
Walter Black

Filed for record this day of, 1949.

..... County Recorder

By, Deputy.

Dan K. Phillips
Kayenta, Arizona



Mr. J. M. Stewart
General Superintendent
Office of Indian Affairs
Window Rock, Arizona

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated .. Navajo Reservation ..

in County, State of Ariz - Dist 12

and described and marked on the ground as follows, to wit:

Beginning at A Monument App. $\frac{3}{4}$ of a mile
SE of Claim Cove #22 Running Northw 1200 ft
thence Easterly 600 ft thence southerly 1500 ft
thence Westerly 600 ft thence Northw 300 ft to
Point of Beginning.

This Mining Claim shall be known as the Cove #23...

Mining Claim.

Located this 18..... day of May... A. D. 1949...

NAMES OF LOCATORS

Don H. Phillips
Harry Black
Henry Phillips

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation

in County, State of Ariz- Dist-12

and described and marked on the ground as follows, to wit:

Located APP. 3/4 Mile from Cave # 22

Starting from Point of Beginning

Running 1200 ft Northely thence 600 ft West or W

thence 1500 ft Southely thence 600 ft East or E

thence 300 ft Northely to Point of Beginning

This Mining Claim shall be known as the Cave # 24

Mining Claim.

Located this 18 day of May .. A. D. 1949 ..

NAMES OF LOCATORS

Halley Black
Henry Phillips

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation in County, State of Arizona, Dist. 12 and described and marked on the ground as follows, to wit:

Beginning at A. Monument APPROX 3 miles

Westerly Direction from Government Day School in Cove

Running Easterly 290ft. thence 710ft. Northely thence

Westerly 1500ft. thence Southerly 600ft thence Easterly ^{500ft} thence to Point of Beginning

This Mining Claim shall be known as the Cove # 13

Mining Claim.

Located this ... 17 ... day of May ... A. D. 1949

NAMES OF LOCATORS

Dan H. Phillips

Kaley Black

Filed for record this day of, 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated *Nava Jo B.E.S. Reservation*

in County, State of *Ariz. Dist. 12*

and described and marked on the ground as follows, to wit:

*Beginning at A Monument Running Easterly 1300 ft. to Cove #13
thence Northely 600 ft. thence 1500 ft. Westerly thence Southernly
600 ft. thence 200 ft. Easterly to Point of Beginning*

.....
This Mining Claim shall be known as the *Cove #14*
Mining Claim.

Located this *17* day of *May* A. D. 194*9*

NAMES OF LOCATORS

Dan H. Phillips
Koley Black
.....

Filed for record this day of, 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated ... Nevada B. & V. & T. Co.

in County, State of Arizona Dist. 12

and described and marked on the ground as follows, to wit:

*Starting at Point of Beginning Running 600 ft North 1/4
thence 1500 ft West 1/4 thence 600 ft South 1/4
thence 1500 ft East 1/4 thence to Point of Beginning*

.....
This Mining Claim shall be known as the Cove # 15
Mining Claim.

Located this 17 day of May .. A. D. 1949 ..

NAMES OF LOCATORS

Don H. Phillips

Halley Black

.....
Filed for record this day of, 194

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated Nevada Reservation

in County, State of State Ariz. Dist. 12

and described and marked on the ground as follows, to wit:

*Starting at Point of Beginning Running 600ft. Easterly
thence 600ft. Northely thence 1500ft. Westely thence
600ft. Southely thence 900ft. Easterly to Point of Beginning
Joining Claim Cove # 15 on the West side*

This Mining Claim shall be known as the Cove # 16

Mining Claim.

Located this 17 day of May ... A. D. 1949...

NAMES OF LOCATORS

Wiley Black

Dan H. Phillips

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated .. *Navajo Reservation*

in County, State of *Ariz. Dist 12*

and described and marked on the ground as follows, to wit:

*Beginning at A Monument Running Southerly & Westerly
Across Canyon from Claim Cove # 16 Running 1000 ft
Westerly thence 600 ft. Northerly thence Easterly 1500 ft
thence 600 ft. Southerly thence Westerly 500 ft. to point
of Beginning*

This Mining Claim shall be known as the *Cove # 17*

Mining Claim.

Located this *17* day of *May* ... A. D. 194*9* ..

NAMES OF LOCATORS

Kaley Black
Dan B. Phillips

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navajo Reservation in County, State of Ariz. Dist. 12 and described and marked on the ground as follows, to wit:

Beginning at A Monument South West Corner of Claim # 12. Running 700ft West or W. thence 600ft North or N. thence 1500ft East or E. thence 600ft South or S. thence 800ft West or W. to Point of Beginning.

This Mining Claim shall be known as the Cove # 18 Mining Claim.

Located this 17 day of May A. D. 1949

NAMES OF LOCATORS

Halcy Bloch
Dan H. Phillips

Filed for record this day of, 194.....
....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the ~~Navado~~ Navado Reservation

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated Navado Reservation

in County, State of Ariz - Dist. 12

and described and marked on the ground as follows, to wit:

Beginning at A Monument app. 4 miles N. W.

from Government Day School in Cove

Running 750 ft. South West thence Westerly 600 ft.

thence Northerly 1500 ft. thence Easterly 600 ft.

thence South West 750 ft to Point of Beginning

This Mining Claim shall be known as the Cove # 18

Mining Claim.

Located this 17 day of May, A. D. 1949

NAMES OF LOCATORS

Dan H. Phillips

Italy Black

Filed for record this day of, 194

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated .. *Navajo Reservation* in County, State of *ARIZ* Dist *12* and described and marked on the ground as follows, to wit:

Beginning at the N. E. Corner of Cove #19
Running North 1/4 1500 ft. thence West 1/4 50 ft. thence 1500 ft South
thence East 1/4 600 ft to Point of Beginning

.....
This Mining Claim shall be known as the *Cove # 20* Mining Claim.

Located this *17* day of *MAY* ... A. D. 194*9*...

NAMES OF LOCATORS

Dan H. Phillips
Halley Black
.....

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12*

and described and marked on the ground as follows, to wit:

Beginning 4 Mile. Mile. in a Southerly Direction from Government Day School in Cove, Beginning At A Monument Running Southerly 720 ft. thence Westerly 200 ft. thence thence Northerly 1500 ft. thence Easterly 200 ft. thence Southerly 740 ft. to the point of Beginning

This Mining Claim shall be known as the *Cove # 5*

Mining Claim.

Located this *12* day of *May* A. D. 194*9*

NAMES OF LOCATORS

Haley Block
Don H. Phillips

Filed for record this day of, 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. #12* and described and marked on the ground as follows, to wit:

Beginning at A Monument Apprx. 4 1/4 miles S.-W. from Government Day School in Cove, West side of Box Canyon, thence Running Southerly 750 ft. thence Westerly 600 ft. thence Northerly 1500 ft. thence Easterly 600 ft. thence Southerly 750 to the Point of Beginning.

This Mining Claim shall be known as the *Cove # 6* Mining Claim.

Located this *12* day of *May* A. D. 194*9*....

NAMES OF LOCATORS

Halcy Black
Sam H. Phillips
.....

Filed for record this day of, 194.....
....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12* and described and marked on the ground as follows, to wit:

Beginning At A monument 5 miles Southerly Direction from Government Day School thence 600 ft Westerly thence 1500 ft Northely thence 600 ft Easterly thence 1500 ft Southerly to the Point of Beginning

.....
This Mining Claim shall be known as the *Cave # 7*
Mining Claim.

Located this *12* day of *May* A. D. 194*9*...

NAMES OF LOCATORS

Don H. Phillips
Kaley Black

.....
Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12* and described and marked on the ground as follows, to wit:

Beginning at A Monument 4 3/4 Miles in A Southerly Direction from the Government Day School, thence Running 800 ft. Southerly thence Westerly 600 ft. thence Northerly 1500 ft. thence Easterly 600 ft. thence Southerly 700 ft. to the Point of Beginning

This Mining Claim shall be known as the *Cove # 8* Mining Claim.

Located this *12* day of *MAY* A. D. 194*9*...

NAMES OF LOCATORS

Don H. Phillips
Kaley Black

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. ... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12* and described and marked on the ground as follows, to wit:

Beginning At A Monument 4 Miles Southerly from Government Day School in Cove. thence 750 ft. Southerly thence Westerly 600 ft. thence Northerly 1500 ft. thence Easterly 600 ft. thence Southerly 750 ft. to the Point of Beginning...

This Mining Claim shall be known as the *Cove # 9* Mining Claim.

Located this *12* day of *May* ... A. D. 194*9*...

NAMES OF LOCATORS

Kelcy Black
Russ H. Phillips
.....

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12* and described and marked on the ground as follows, to wit:

Beginning at A Monument 5 Miles South from Government Day School in Cove. Across the Canyon on East Side from Claim Cove # 7 Running North 130 ft. thence East 1500 ft. thence South 600 ft. thence West 1500 ft. thence North 270 ft. to the Point of Beginning

This Mining Claim shall be known as the *Cove # 10* Mining Claim.

Located this *12* day of *MAY* A. D. 194*9*...

NAMES OF LOCATORS

Kaly Black
Law H. Phillips

Filed for record this day of, 194.....

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. 12* and described and marked on the ground as follows, to wit:

Beginning at A. Monument Cross the Canyon from Claim Cove # 8 on the N-E-Side of Canyon Apprx. 4 3/4 Miles from Government Day School in Cove, Running 1200 ft. S-E thence 600 ft. Northerly thence 1500 Westerly thence 600 ft. Southerly thence S-E 300 ft. to the Point of Beginning

This Mining Claim shall be known as the *Cove # 12*

Mining Claim.

Located this *12* day of *May* A. D. 194*9*...

NAMES OF LOCATORS

Don H. Phillips

Wiley Black

Henry Phillips

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist 12* and described and marked on the ground as follows, to wit:

Beginning at A Monument 5 miles South Easterly from Government Day School, thence 500 ft. S. E. thence 600 ft. Westerly 1500 ft. Northely thence 600 ft. Easterly thence S E 1000 ft. to the Point of Beginning

This Mining Claim shall be known as the *Cove # 11* Mining Claim.

Located this *12* day of *May* A. D. 194*9*...

NAMES OF LOCATORS

Kolay Black

Dan H. Phillips

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation*, Dist # *12* and described and marked on the ground as follows, to wit:

Beginning At A Monument 3 1/2 Miles in a Western Direction from the Government Day School in Cove, on West side of Canyon, Name Horse Canyon

990 ft. Running southerly and westerly thence 600 ft. westerly thence 1500 ft. northerly thence easterly 600 ft. thence S. W 510 ft. to the point of Beginning

This Mining Claim shall be known as the *Cave # 4*

Mining Claim.

Located this *10* day of *May* A. D. 194*9*....

NAMES OF LOCATORS

Don H. Phillips
Kelley Black

Filed for record this day of, 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha... located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist #12*

and described and marked on the ground as follows, to wit:

Beginning at A Monument APPROX. 4 1/2 miles West of Government Day School in Cove, Running West 1200 ft. thence 600 ft. North thence East 1500 ft. thence South 600 ft. thence West 300 ft. to the Point of Beginning

This Mining Claim shall be known as the *Cove #3*

Mining Claim.

Located this *10* day of *May*, A. D. 194*9*...

NAMES OF LOCATORS

Dan H. Phillips
Kaley Bloch

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode. Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of *Arizona Navajo Reservation Dist. #12* and described and marked on the ground as follows, to wit:

Beginning at A. Monument 4 miles Westerly from the Government Day School in Cove, Running 1500 ft. Southerly thence Westerly 600 ft. thence Northely 1500 ft. thence Easterly 600 ft. to the Point of Beginning

.....
This Mining Claim shall be known as the *Cove #2* Mining Claim.

Located this *10* day of *May* A. D. 194*9*....

NAMES OF LOCATORS

Dan H. Phillips
Wiley Black

.....
Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, have located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of Arizona Navajo Reservation and described and marked on the ground as follows, to wit:

District #12 Beginning at a monument 2 miles North West of Government Day School in Cove North Side of Mexican Cr. Canyon thence Running 1000 ft. Southw. thence Westw. 600 ft. thence Northw. 1500 ft. thence Eastw. 600 ft. thence Southw. 500 ft. to the Point of Beginning

This Mining Claim shall be known as the ~~Navajo~~ Cove #1 Mining Claim.

Located this ... 19 ... day of May ... A. D. 1949...

NAMES OF LOCATORS

Don H. Phillips
Kyle Black
.....

Filed for record this day of, 194.....

....., County Recorder

By, Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of ^{Ariz.} ~~Utah~~, and described and marked on the ground as follows, to wit: *District 9 Navajo Res.*

Beginning At A Monument Running Easterly

600 ft. thence Southerly 1500 ft. thence 600 ft

Westerly thence 1500 ft. Northely to Point of Beginning

*4 Miles South East of Boundary Butte....
At the Head of Gothic Creek*

This Mining Claim shall be known as the *Gothic # 1*

Mining Claim.

Located this *29* day of *April* .. A. D. 194*9*...

NAMES OF LOCATORS

Dan H. Phillips
Kaley Blake
.....

Filed for record this day of 194

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of ^{Ariz} ~~Utah~~, and described and marked on the ground as follows, to wit: *District #9 Navajo Rev.*

Beginning at A Monument Running 750 ft.

Northerly thence Westerly 600 ft. thence

Southerly 1500 ft. thence Easterly 600 ft. thence

to Point of Beginning 4 Miles South East of Boundary Butte At the Head of Goshute Creek

This Mining Claim shall be known as the *Goshute #2*...

Mining Claim.

Located this *29* day of *April*, A. D. 19*19*...

NAMES OF LOCATORS

Dan K. Phillips

Walter B. Lusk

Filed for record this day of, 19*19*

....., County Recorder

By Deputy.

Notice of Location

NOTICE IS HEREBY GIVEN, that the undersigned, having complied with Section 2234 of the Revised Statutes of the United States, and the local Laws, Customs and Regulations of this Mining District, ha. . . . located Fifteen Hundred Feet in length by Six Hundred Feet in width on this the

Lode, Vein or Deposit, bearing Gold, Silver and other precious metals, situated

in County, State of ^{Arizona} ~~Utah~~, and described and marked on the ground as follows, to wit: *Beginning at this monument*

*th North 750 ft th East 600 ft th South 1500
th West 600 ft th North 750 ft to beginning
Located 6 Miles South of Arizona State line*

*Navajo Reservation Dist # 8
At head of small canyon in Say-Bee*

This Mining Claim shall be known as the *Koley # 2* Mining Claim.

Located this *26* day of *April*, A. D. 194*9*...

NAMES OF LOCATORS

..... *Koley Black*
..... *Dan K. Phillips*
.....

Filed for record this day of, 194

....., County Recorder

By, Deputy.